FULLY SPRINKLERED

RELOCATE PROSTHETICS AND PODIATRY CLINICS

Department of Veterans Affairs Medical Center

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DESIGN TEAM

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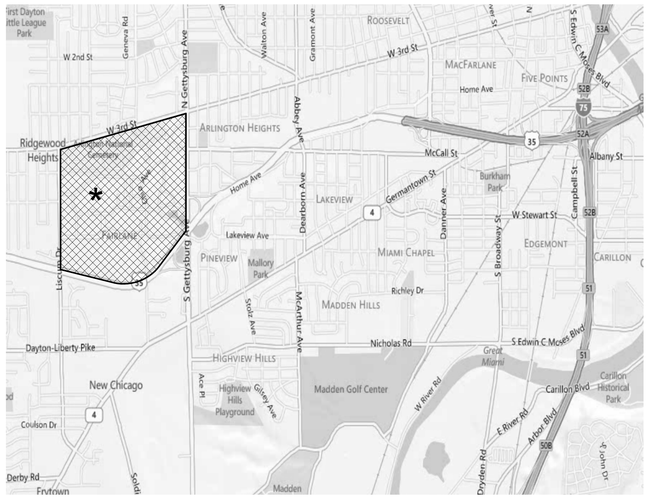
GENERAL CONSTRUCTION NOTES

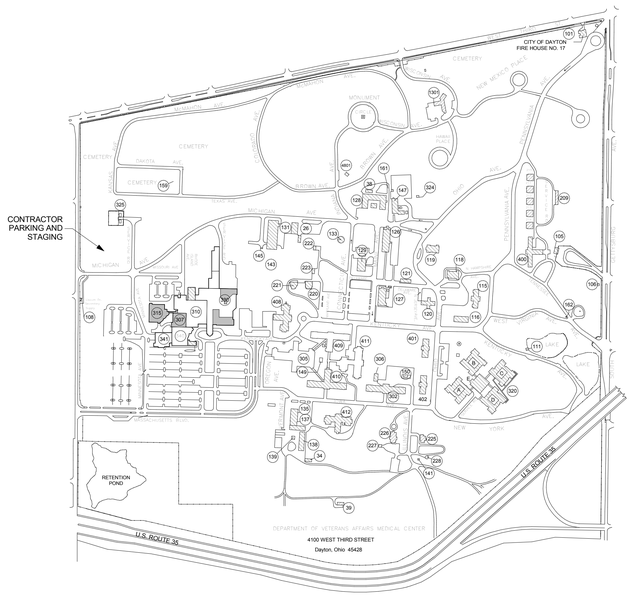
* PLEASE NOTE THAT THE TERM PROJECT ENGINEER REFERS TO THE CONTRACTING OFFICER'S REPRESENTATIVE.

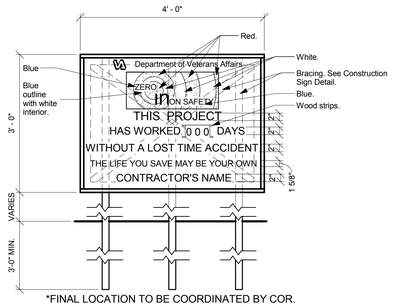
1. ALL WORK SHALL COMPLY WITH THE LATEST NFPA 101 LIFE SAFETY CODE, INTERNATIONAL BUILDING CODE, AND OTHER COES AS IDENTIFIED IN VHA PROGRAM GUIDE PG-18-3, TOPIC 01, CODES, STANDARDS AND EXECUTIVE ORDERS WHICH CAN BE FOUND ON THE DEPARTMENT OF VETERAN AFFAIRS, TECHNICAL INFORMATION LIBRARY WEBSITE [http://www.cfm.va.gov/til/].
2. ALL WORK SHALL COMPLY WITH REQUIREMENTS OF THE LATEST ARCHITECTURAL BARRIERS ACT ACCESSIBILITY STANDARD (ABAAS) AND DEPARTMENT OF VETERANS AFFAIRS BARRIER FREE DESIGN GUIDE PG-18-13 WHICH CAN BE FOUND ON THE DEPARTMENT OF VETERANS AFFAIRS TECHNICAL INFORMATION LIBRARY WEBSITE [http://www.cfm.va.gov/til/].
3. CONTRACTOR IS ALLOWED TO VISIT THE SITE, EXAMINE AND ACCEPT EXISTING CONDITIONS PRIOR TO BIDDING. SITE VISITS TO BE COORDINATED WITH THE CONTRACTING OFFICER'S REPRESENTATIVE.
4. CONTRACTOR IS RESPONSIBLE TO REPAIR AND/OR REFINISH, TO MATCH ADJACENT EXISTING SURFACES, ANY EXISTING MATERIALS TO REMAIN THAT ARE DAMAGED DURING THE COURSE OF DEMOLITION OR NEW WORK.
5. WHERE REMOVAL OF EXISTING WORK IS REQUIRED FOR INSTALLATION OF NEW WORK, CONTRACTOR SHALL REPAIR EXISTING CONSTRUCTION TO REMAIN OR PROVIDE NEW CONSTRUCTION TO MATCH EXISTING ADJACENT SURFACES TO REMAIN.
6. CONTRACTOR IS RESPONSIBLE TO FIELD VERIFY ALL CONDITIONS AND DIMENSIONS PRIOR TO ORDERING, FABRICATING OR INSTALLING NEW MATERIALS.
7. CONTRACTOR IS RESPONSIBLE TO VERIFY SIZES OF ALL EQUIPMENT, ETC. TO BE INSTALLED AS PART OF THIS PROJECT, AND WHERE NECESSARY, MAKE SPECIAL PROVISIONS TO INSTALL EQUIPMENT THAT IS TOO LARGE TO FIT THROUGH FINISHED OPENINGS.
8. CONTRACTOR SHALL PROVIDE WOOD BLOCKING AT TOILET ACCESSORIES, HAND RAILS, BUMPER RAILS, SHELVING, CASEWORK, MOUNTING BRACKETS AND OTHER WALL MOUNTED ITEMS, AS INDICATED IN THE CONTRACT DOCUMENTS AND AS RECOMMENDED BY PRODUCT MANUFACTURERS. ALL WOOD BLOCKING SHALL BE FIRE RETARDANT TREATED. METAL STRAPPING NOT PERMITTED.
9. ALL EXPOSED NEW WORK IS TO RECEIVE NEW FINISHES UNLESS SPECIFICALLY NOTED OTHERWISE. IF NO FINISH IS INDICATED AT A PARTICULAR SURFACE, CONTRACTOR SHALL PROVIDE FINISH(S) AS INDICATED AT SIMILAR CONDITIONS.
10. CONTRACTOR SHALL PROVIDE COMPLETE AND FULLY OPERATIONAL SYSTEMS WHICH COMPLY WITH STATED CODES AND REGULATIONS. WHERE THE OMISSION OF A PART OR ELEMENT OF A SYSTEM WOULD RESULT IN THE NON-OPERATION, OR INCORRECT OPERATION OF A SYSTEM, CONTRACTOR SHALL INCLUDE SAID PART OR ELEMENT AS PART OF THE WORK.
11. ALL PENETRATIONS THROUGH NEW AND/OR EXISTING SMOKE OR FIRE RATED WALLS SHALL BE SMOKE/FIRE STOPPED AS REQUIRED BY THE RATING OF THE WALL.

VICINITY MAP



CAMPUS PLAN





*FINAL LOCATION TO BE COORDINATED BY COR.

SAFETY SIGN

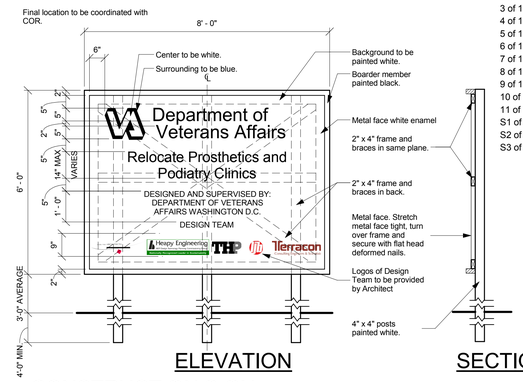
Scale: 3/4" = 1'-0"

NOTE:

Any seam in metal to be flat seam. Seams to be horizontal and occur between lines of lettering.

All lettering to be painted black with exception of project title, which is to be blue.

Final location to be coordinated with COR.



CONSTRUCTION SIGN

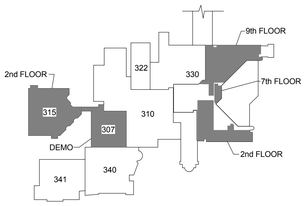
Scale: 1/2" = 1'-0"

DRAWING INDEX

G001	COVER SHEET
S001	GENERAL NOTES AND TYPICAL DETAILS
FX001	LEGEND, SYMBOLS & INDEX OF DRAWINGS
P001	LEGEND, SYMBOLS & INDEX OF DRAWINGS
M001	LEGEND, SYMBOLS & GENERAL NOTES
E001	LEGEND, SYMBOLS & INDEX OF DRAWINGS
Building 307	
307G100	PHASING PLANS
307C100	EXISTING CONDITIONS
307C200	DEMOLITION PLAN
307C300	SITE PLAN
307C400	SITE PLAN
307C500	DETAILS
307C600	DETAILS
307AD100	FOUNDATION DEMOLITION
307AD101	FIRST FLOOR DEMOLITION
307AD102	SECOND FLOOR DEMOLITION
307AD103	ROOF DEMOLITION
307AD310	DEMOLITION WALL SECTIONS
307AD311	DEMOLITION WALL SECTIONS
307A001	WALL TYPES
307A101	FIRST FLOOR PLAN AND ROOM FINISH SCHEDULE
307A102	SECOND FLOOR PLAN
307A121	FIRST FLOOR REFLECTED CEILING
307A122	SECOND FLOOR REFLECTED CEILING
307A201	EXTERIOR ELEVATIONS
307A311	WALL SECTIONS
307A312	WALL SECTIONS
307A501	DEDUCT ALTERNATE NO. 3 PLANS
307A502	DEDUCT ALTERNATE NO. 3 SECTIONS
307A601	DOOR & WINDOW DETAILS
307S101	FIRST FLOOR PLAN
307S201	DETAILS
307FX101	FIRST FLOOR PLAN - FIRE SUPPRESSION
307FX102	SECOND FLOOR PLAN - FIRE SUPPRESSION
307PD101	FIRST & SECOND FLOOR PLAN - REMOVALS
307MD101	FIRST FLOOR PLAN - REMOVALS
307MD102	SECOND FLOOR PLAN - REMOVALS AND NEW WORK
307MD103	ROOF PLAN - REMOVALS
310MH101	THIRD FLOOR MECHANICAL ROOM - IAQ PLAN
322MH101	FIRST FLOOR MECHANICAL ROOM - IAQ PLAN
340MH101	PARTIAL FIRST FLOOR PLAN - REMOVALS AND NEW WORK
307ED101	FIRST FLOOR PLAN - REMOVALS
307ED102	SECOND FLOOR PLAN - REMOVALS
307ED103	ROOF PLAN - REMOVALS
310ED101	FIRST FLOOR PLAN - REMOVALS
310EL101	FIRST FLOOR PLAN - LIGHTING
310ET101	FIRST FLOOR PLAN - TECHNOLOGY
340ET101	FIRST FLOOR PLAN - TECHNOLOGY
341ET101	FIRST FLOOR PLAN - TECHNOLOGY
1 of 1	COVER SHEET
1 of 11	SITE PLAN
2 of 11	GROUND FLOOR PLAN
3 of 11	FIRST FLOOR PLAN
4 of 11	ROOF PLAN
5 of 11	EXTERIOR ELEVATIONS
6 of 11	SECTIONS
7 of 11	FINISH SCHEDULE AND DOOR TYPES
8 of 11	WALL SECTIONS AND DETAILS
9 of 11	WALL SECTIONS AND DETAILS
10 of 11	TOILET RM. PLANS & ELEVATIONS
11 of 11	REFLECTED CEILING PLANS
S1 of 3	FOUNDATION PLAN
S2 of 3	FIRST FLOOR FRAMING PLAN
S3 of 3	ROOF FRAMING PLAN
P1 of 4	MECHANICAL PLOT PLAN
P2 of 4	GROUND FLOOR PLAN
P3 of 4	FIRST FLOOR PLAN & ISOMETRICS
P4 of 4	PLUMBING DETAILS
H1 of 6	GROUND FLOOR PIPING PLAN
H2 of 6	GROUND FLOOR DUCTWORK PLAN
H3 of 6	FIRST FLOOR PIPING PLAN
H4 of 6	FIRST FLOOR DUCTWORK PLAN
H5 of 6	ROOF PLAN
H6 of 6	SCHEDULES AND DETAILS
E1 of 3	GROUND FLOOR PLAN
E2 of 3	FIRST FLOOR PLAN
E3 of 3	DETAILS
315-1	GROUND FLOOR PLAN
315-2	FIRST FLOOR PLAN
315-3	ROOF PLAN & DETAILS
315-5	ELEVATIONS
315-6	ELEVATIONS
315-9	WALL SECTIONS
315-16	CONNECTING CORRIDOR PLANS & DETAILS
315-S4	CONNECTING CORRIDORS & DETAILS
Building 315	
315G100	CODE DATA
315AD102	SECOND FLOOR DEMOLITION
315A102-D	SECOND FLOOR DIMENSION PLAN
315A102-N	SECOND FLOOR NOTE PLAN
315A122	SECOND FLOOR REFLECTED CEILING
315A401	ENLARGED RESTROOM PLANS AND INTERIOR ELEVATIONS
315A402	INTERIOR ELEVATIONS
315A403	INTERIOR ELEVATIONS
315A501	MISCELLANEOUS DETAILS
315A502	SMOKING SHELTHER PLANS AND DETAILS
315A511	CASEWORK SECIONS & DETAILS
315A601	WALL TYPES, DOOR & WINDOW DETAILS
315AF102-F	SECOND FLOOR FINISH PLAN
315AF102-P	WALL PROTECTION PLAN
315AF102-W	SECOND FLOOR WALL FINISH PLAN
315AF601	FINISH SCHEDULE
315IF102	SECOND FLOOR FURNITURE & EQUIPMENT PLAN
315IF102-S	SECOND FLOOR SIGNAGE PLAN
315IF202-S	SECOND FLOOR SIGNAGE DETAILS
315S101	PARTIAL FRAMING PLANS AND DETAILS
315FX102	SECOND FLOOR PLAN - FIRE SUPPRESSION
315PD102	SECOND FLOOR PLAN - REMOVALS
315PP101	FIRST FLOOR PLAN - NEW WORK
315PP102	SECOND FLOOR PLAN - NEW WORK
315MD101	FIRST FLOOR PLAN - REMOVALS
315MD102	SECOND FLOOR PLAN - REMOVALS
315MH101	FIRST FLOOR PLAN - NEW WORK
315MH102	SECOND FLOOR PLAN - DUCTWORK
315MP101	SECOND FLOOR PLAN - PIPING
315ED101	LOWER LEVEL PLAN - REMOVALS
315ED102	SECOND FLOOR PLAN - REMOVALS
315EL102	SECOND FLOOR PLAN - LIGHTING
315EP101	FIRST FLOOR PLAN - POWER
315EP102	SECOND FLOOR PLAN - POWER
315ET101	FIRST FLOOR PLAN - TECHNOLOGY
315ET102	SECOND FLOOR PLAN - TECHNOLOGY
Building 330 - Second Floor	
330G102	CODE DATA
330AD102	SECOND FLOOR DEMOLITION
330A001	WALL TYPES
330A102-D	SECOND FLOOR DIMENSION PLAN
330A102-N	SECOND FLOOR NOTE PLAN
330A122	SECOND FLOOR REFLECTED CEILING PLAN
330A401	ENLARGED RESTROOM PLANS AND INTERIOR ELEVATIONS
330A402	INTERIOR ELEVATIONS
330A501	MISCELLANEOUS DETAILS
330A511	CASEWORK SECTIONS & DETAILS
330A601	DOOR SCHEDULE & DETAILS
330AF102-F	SECOND FLOOR FINISH PLAN
330AF102-P	WALL PROTECTION PLAN
330AF102-W	SECOND FLOOR WALL FINISH PLAN
330AF602	SECOND FLOOR FINISH SCHEDULE
330IF102	SECOND FLOOR FURNITURE & EQUIPMENT PLAN
330IF102-S	SECOND FLOOR SIGNAGE PLAN
330IF202-S	SECOND FLOOR SIGNAGE DETAILS
330S101	PARTIAL FRAMING PLANS AND DETAILS
330FX102	SECOND FLOOR PLAN - FIRE SUPPRESSION
330PD102	SECOND FLOOR PLAN - REMOVALS
330PP101	FIRST FLOOR PLAN - NEW WORK
330PP102	SECOND FLOOR PLAN - NEW WORK
330PP103	SECOND FLOOR AND MECHANICAL ROOM
330MD102	SECOND FLOOR PLAN - REMOVALS
330MH101	SECOND FLOOR PLAN - DUCTWORK
330MH102	SECOND FLOOR MECHANICAL ROOM - IAQ PLAN
330MH103	BASEMENT MECHANICAL ROOM
330MH104	FOURTH AND FIFTH FLOOR MECHANICAL ROOMS - IAQ PLANS
330MH105	BASEMENT MECHANICAL ROOM - IAQ PLAN
330MP101	SECOND FLOOR PLAN - PIPING
330ED102	SECOND FLOOR PLAN - REMOVALS
330EL102	SECOND FLOOR PLAN - LIGHTING
330EP102	SECOND FLOOR PLAN - POWER
330ET102	SECOND FLOOR PLAN - TECHNOLOGY
Building 330 - Seventh Floor	
330AF107-F	SEVENTH FLOOR FINISH PLAN
330ET107	BUILDING 330-PARTIAL SEVENTH FLOOR PLAN
Building 330 -Ninth Floor	
330AF109-F	NINTH FLOOR FINISH PLAN
330AF109-W	NINTH FLOOR WALL FINISH AND WINDOW SHADE PLAN
330AF609	NINTH FLOOR FINISH SCHEDULE
330IF109-S	NINTH FLOOR SIGNAGE PLAN
330IF209-S	NINTH FLOOR SIGNAGE DETAILS
330EL109	NINTH FLOOR PLAN - LIGHTING
General	
P501	DETAILS
P601	SCHEDULES
P901	SOIL, WASTE & VENT
P902	SOIL, WASTE & VENT
M501	DETAILS
M502	DETAILS
M503	DETAILS AND CONTROLS
M601	SCHEDULES
ES001	ELECTRICAL SITE PLAN
ES002	TECHNOLOGY PARTIAL SITE PLAN
E501	DETAILS
E502	SITE PHOTOGRAPH
E503	ENLARGED PLANS
E504	ENLARGED SIGNALS CLOSET PLANS
E605	PANELBOARD SCHEDULES
E601	SINGLE LINE DIAGRAM
E602	LIGHTING DESCRIPTIONS
E603	LIGHTING DESCRIPTIONS
E604	PANELBOARD SCHEDULES
E701	TECHNOLOGY SYSTEM DETAILS
E702	SECURITY SYSTEM DETAILS
E703	AV SYSTEM DETAILS

GRAPHIC SYMBOLS

1/A101	EXTERIOR ELEVATION	XX	WINDOW OPENING
X	INTERIOR ELEVATION SEE 700 SERIES SHEETS	101	DOOR OPENING
X SIM XXXX	SECTION/DETAIL NUMBER DRAWING NUMBER	X 1G-124a	ROOM NAME ROOM NUMBER
X	EQUIPMENT TAG	XX.X-X	WALL TYPE SEE SHEET A001
X	COLUMN GRID	10'-8"	CEILING HEIGHT
?	NOTE	?	FINISH DESIGNATION



KEY PLAN

Scale: N.T.S.

Revisions		Date
1	35% Schematic Design	03.05.2015
2	65% Design Development	04.28.2015
3	95% Owner Review	08.14.2015
4	100% Construction Documents	11.04.2015
5	Bid Set Drawings	05.16.2016

CONSULTANTS:

STATE OF OHIO — JOHN A. POE 6549 — REGISTERED ARCHITECT

ARCHITECT/ENGINEERS:

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Drawing Title: COVER SHEET

Approved: Project Director

Project Title: RELOCATE PROSTHETICS AND PODIATRY CLINICS

Location: Dayton, Ohio

Date: 05.16.2016 | Checked: TH | Drawn: SD

Project No. VA Project No. 552-15-502 JPA Project No. 14006.00

Building Number

Drawing Number: G001

Dwg. of

Office of Construction and Facilities Management

Department of Veterans Affairs

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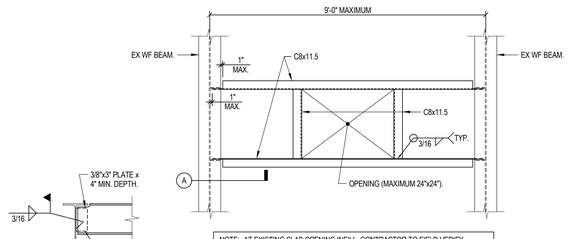

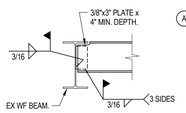

SECTION A

NOTE: AT EXISTING SLAB OPENING INFILL, CONTRACTOR TO FIELD VERIFY EXISTING CONDITIONS AND NOTIFY STRUCTURAL ENGINEER. IF THERE IS NO EXISTING REINFORCING FRAME AT THE OPENING, PROVIDE REINFORCING FRAME PER THIS DETAIL WITH NEW PIECE OF METAL DECK TO MATCH EXISTING (18 GA. MIN.) SPAN DECK BETWEEN CHANNELS. DRILL AND EPOXY #4 BARS AT 12" O.C. AROUND PERIMETER OF OPENING (MINIMUM 2 BARS PER FACE OF OPENING) WITH 6" EMBEDMENT INTO EXISTING CONCRETE AND 6" PROJECTION.

TYPICAL SLAB OPENING REINFORCING FRAME

GENERAL STRUCTURAL NOTES

A. CODES AND SPECIFICATIONS

1. OHIO BUILDING CODE, 2011, INCLUDING UPDATES THROUGH 7-1-2014.
2. ASCE 7-05, MINIMUM DESIGN LOADS FOR BUILDINGS AND OTHER STRUCTURES.
3. ACI 301-10, SPECIFICATIONS FOR STRUCTURAL CONCRETE FOR BUILDINGS AS MODIFIED BY THE CONSTRUCTION DOCUMENTS.
4. AISC 303-10, CODE OF STANDARD PRACTICE FOR STEEL BUILDINGS AND BRIDGES AS MODIFIED BY THE CONSTRUCTION DOCUMENTS.
5. ANSI/AWS D1.1, STRUCTURAL WELDING CODE – STEEL.
6. ADDITIONAL TECHNICAL SPECIFICATIONS IN THE PROJECT MANUAL.

B. FOUNDATIONS

1. ALL BEARING SURFACES SHALL BE UNDISTURBED, LEVEL (WITHIN 1 IN 12), AND APPROVED BY THE GEOTECHNICAL ENGINEER PRIOR TO PLACING CONCRETE.
2. DESIGN OF THE UNDERPINNING SYSTEM IS THE RESPONSIBILITY OF THE CONTRACTOR AND SHOULD BE DESIGNED BY A REGISTERED PROFESSIONAL ENGINEER AND IS SUBJECT TO REVIEW AND APPROVAL BY COR. UNDERPINNING OF EXISTING BUILDING FOUNDATIONS, AS INDICATED ON STRUCTURAL DRAWINGS, OR WHERE EXCAVATION UNDERMINES EXISTING FOUNDATIONS, SHALL BE ACCOMPLISHED IN THE FOLLOWING MANNER:
   a. FOUNDATIONS ARE TO BE BELOW EXISTING. MAKE GENERAL EXCAVATION FOR NEW CONSTRUCTION, WHERE NEW FOUNDATIONS, TO ELEVATION OF NEW FOUNDATIONS (OR SIZED STONE SUBBASE), MAINTAINING A 45 DEGREE SLOPED BERM.
   b. UNDERPIN EXISTING WALL FOUNDATIONS BY EXCAVATING 1200 MM (4 FEET) WIDE PITS TO DEPTH SHOWN ON DRAWINGS SKIPPING 3 SECTIONS AT ANY ONE TIME SO AS TO MAINTAIN SUPPORT FOR WALL AT ALL TIMES.
   c. UNDERPIN INTERVENING SECTIONS ONE AT A TIME; NO ADJACENT SECTIONS SHALL BE UNDERPINNED UNTIL CONCRETE IN ADJACENT SECTIONS SHALL HAVE REACHED 2500 PSI STRENGTH AND HAVE BEEN DRY PACKED WITH NON-SHRINK GROUT TO OBTAIN POSITIVE BEARING. SHEET AND BRACE UNDERPINNING PITS IF SOIL WILL NOT STAND ON A VERTICAL CUT DURING THIS OPERATION, OR AS REQUIRED FOR SAFETY OF WORKMEN. REPACK ANY VOIDS BEHIND SHEETING TO PREVENT SLOUGHING WHICH COULD CAUSE SETTLEMENT OF EXISTING FOUNDATIONS. CONTRACTOR PERFORMING THIS PORTION OF WORK SHALL HAVE BEEN PREQUALIFIED BY THE COR AS HAVING PREVIOUSLY PERFORMED SUCCESSFULLY THIS TYPE OF WORK OR WILL DEMONSTRATE HIS CAPABILITY FOR SUCCESSFULLY PERFORMING THIS WORK. IT SHALL BE SOLE RESPONSIBILITY OF THE CONTRACTOR TO GUARD AGAINST OBJECTIONABLE MOVEMENT OR SETTLEMENT AND TO PRESERVE INTEGRITY OF EXISTING STRUCTURES.
   d. THE TIP ELEVATION OF THE UNDERPINNING PITS SHALL BE A MINIMUM OF 900 MM (3 FEET) BELOW THE ADJACENT EXCAVATION ELEVATION.
   e. SUBGRADES AT THE TIP OF THE UNDERPINNING PIT SHALL BE CLEAN, DRY, AND FREE OF DEBRIS AND SHALL BE OBSERVED BY THE COR PRIOR TO CONCRETE PLACEMENT.
3. ALL FOOTINGS, CAPS AND GRADE BEAMS ARE TO BE POURED NEAT AGAINST EARTH BANKS (WITHOUT SIDE FORMS) UNLESS APPROVED OTHERWISE BY BOTH THE GEOTECHNICAL AND STRUCTURAL ENGINEERS. WHERE EARTH CUTS WILL NOT STAND, SIDES SHALL BE FORMED AND BACKFILLED WITH COMPACTED MATERIAL, SUBJECT TO ENGINEERS' APPROVAL.

C. CONCRETE

1. CONCRETE STRENGTHS:
   a. FOOTINGS, DRILLED PIERS, PILE CAPS AND GRADE BEAMS: 3000 PSI.
   b. EXTERIOR CONCRETE EXPOSED TO WEATHER: 4500 PSI AE.
   c. TYPICAL CONCRETE UNLESS NOTED OTHERWISE: 4000 PSI.
   d. BACKFILL (LEAN) CONCRETE: 1500 PSI.
2. PROVIDE 3/4" BEVELS AT CORNERS OF EXPOSED WALLS.
3. MAXIMUM LENGTH OF STUB WALL POUR BETWEEN CONSTRUCTION JOINTS SHALL NOT EXCEED 40 FEET.

D. REINFORCING STEEL

1. ALL REINFORCING BARS: 60 KSI YIELD.
2. PROVIDE TENSION SPLICES UNLESS NOTED OTHERWISE.
3. PROVIDE MINIMUM CLEARANCES BETWEEN REINFORCING STEEL AND CONCRETE SURFACES AS SHOWN. IF NOT SHOWN, PROVIDE CLEAR COVER PER ACI. PLACE ALL REINFORCING AS SHOWN AND DETAILED, AND WITHIN ACI TOLERANCE.

E. MECHANICAL AND OTHER ITEMS SUPPORTED FROM STRUCTURE

1. ALL TRADE CONTRACTORS (MECHANICAL, STAIR, WALL, ENVELOPE, SPECIALTY, ETC.) ARE TO DESIGN THEIR SYSTEMS, INCLUDING ATTACHMENTS TO THE BUILDING'S STRUCTURE WITHIN THE FOLLOWING LIMITATIONS:
   a. ANCHORS ARE TO HAVE AN ULTIMATE SAFETY FACTOR OF AT LEAST 4.0.
   b. LOADS SUPPORTED BY BEAMS ARE TO BE APPLIED IN A MANNER WHICH DOES NOT CAUSE TORSION ABOUT THE LONGITUDINAL AXIS OF THE BEAM.
   c. LOADS GREATER THAN 200 LBS ARE NOT TO BE HUNG FROM SLAB ON METAL DECK.
   d. LOADS ARE NOT TO BE HUNG FROM ROOF DECK.

F. STRUCTURAL STEEL

1. ALL WORK SHALL CONFORM TO AMERICAN INSTITUTE OF STEEL CONSTRUCTION (AISC) STANDARDS AND THE PROJECT SPECIFICATIONS.
2. FABRICATOR SHALL MEET AISC 'STANDARD FOR STEEL BUILDING STRUCTURES' PER THE PROJECT SPECIFICATIONS.
3. MATERIAL:
   a. WIDE FLANGE SHAPES: ASTM A992 (Fy 50 KSI).
   b. OTHER ROLLED SHAPES & PLATES: ASTM A36 (Fy 36 KSI).
   c. HEADED SHEAR STUDS: ASTM A108, COMPLY WITH AWS D1.1, TYPE B.
   d. BOLTS: ASTM A325, 3/4" MIN. DIA., U.N.O.
   e. ANCHOR RODS: ASTM F1554 (Fy 36 KSI), U.N.O.
4. PROVIDE TENSION CONTROL A325-TC BOLTS OR F1852 ASSEMBLIES, OR F959 SELF INDICATING LOAD INDICATOR WASHERS AND PRETENSION ALL BOLTS.
5. ALL WELDING MATERIALS, WELDING PROCEDURES AND OPERATORS PERFORMING WELDING TO BE QUALIFIED PER AWS D1.1.
6. FABRICATOR TO DESIGN CONNECTIONS NOT DETAILED:
   a. CONNECTIONS ARE TO BE DESIGNED IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS, THE AISC LRFD SPECIFICATIONS FOR STRUCTURAL STEEL BUILDINGS, THE AISC MANUAL, AND THE STRUCTURAL STEEL FRAMING PLANS, NOTES AND DETAILS OF THESE DRAWINGS.
   b. CONNECTION CONFIGURATIONS INDICATED ON THE PLANS, NOTES AND DETAILS REPRESENT THE DESIGN INTENT. ITEMS SPECIFICALLY INDICATED: WELDS, STIFFENERS, BRACES, ETC. MUST BE PROVIDED AT MINIMUM AS SHOWN. ADDITIONAL DESIGN AND DETAILING OF CONNECTIONS, INCLUDING CONSIDERATION OF MEMBER THICKNESS, HOLES, CUTS, COPES AND THE EFFECTS OF CONCENTRATED FORCES, SHALL BE PROVIDED BY THE CONTRACTOR.
   c. WHEN A SPECIFIC SHEAR REACTION IS NOT SHOWN, DESIGN BEAM END CONNECTION FOR THE REACTION FROM THE UNIFORM LOAD SHOWN IN THE AISC MANUAL FOR THE BEAM AND SPAN, CONCURRENT WITH ANY MOMENTS AND AXIAL FORCES SHOWN ON THE DRAWINGS.
7. PRIME PAINTING IS REQUIRED FOR ALL STEEL WHICH WILL BE VISIBLE IN THE COMPLETED BUILDING AND IS NOT SCHEDULED TO RECEIVE FIRE PROOFING, INCLUDING AREAS OF EXPOSED STRUCTURE SHOWN ON ARCHITECTURAL DRAWINGS. PREPARE BY POWER TOOL CLEANING TO SSPC-SP3. MINIMUM FOLLOW ADDITIONAL REQUIREMENTS OF AISC SPECIFICATIONS AND THE PROJECT SPECIFICATIONS FOR ARCHITECTURALLY EXPOSED STRUCTURAL STEEL. VERIFY PRIMER COMPATIBILITY WITH FIELD APPLIED TOP COATS.

G. COORDINATION AND CONSTRUCTION

1. THE SPECIFICATIONS AND DRAWINGS COMPLEMENT EACH OTHER. BOTH SHALL BE THOROUGHLY REVIEWED BEFORE PROCEEDING WITH ANY WORK. THE CONTRACTOR SHALL COMPLETE ALL WORK REQUIRED AND NECESSARY FOR THE PROJECT IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS, DRAWINGS, AND REFERENCED STANDARDS.
2. UNLESS OTHERWISE NOTED, DETAILS, SECTIONS AND NOTES ON THE STRUCTURAL DRAWINGS ARE INTENDED TO APPLY TO SIMILAR SITUATIONS ELSEWHERE.
3. STRUCTURAL FRAMING PLANS ARE DRAWN AS REFLECTED PLANS SHOWING BEAMS, WALLS, AND COLUMNS ON THE UNDERSIDE OF THE LEVEL SHOWN.
4. ALL FRAMING MEMBERS PROVIDED FOR MECHANICAL TRADES, COOLING TOWER FRAMING, ELEVATOR SUPPORT BEAMS, LINTELS, ROOF OPENINGS, ETC., ARE FOR BIDDING PURPOSES ONLY. SUBMIT MANUFACTURER'S DATA FOR THE PROPOSED EQUIPMENT TO STRUCTURAL ENGINEER FOR VERIFICATION OR REDESIGN OF SUPPORTS PRIOR TO PREPARING SHOP DRAWINGS.
5. SEE ARCHITECTURAL AND MECHANICAL DRAWINGS FOR ADDITIONAL DETAILS, DIMENSIONS, EMBEDDED ITEMS, SLEEVES, FLOOR PITCHES, DEPRESSIONS AND FILLS. OPENING SIZES AND LOCATIONS FOR PIPES, DUCTS, ETC., WHEN SHOWN, ARE FOR GENERAL INFORMATION ONLY AND SHALL BE VERIFIED WITH MECHANICAL, ELECTRICAL, PLUMBING AND OTHER DRAWINGS AS APPLICABLE.
6. SHOP DRAWINGS PREPARED BY SUPPLIERS AND SUB CONTRACTORS SHALL BE REVIEWED BY THE TRADE CONTRACTOR AND GENERAL CONTRACTOR OR CONSTRUCTION MANAGER PRIOR TO SUBMITTING TO ARCHITECT/ENGINEER.
   a. FIELD VERIFY ALL EXISTING DIMENSIONS, ELEVATIONS AND CONDITIONS WHICH AFFECT FABRICATION AND SHOW ON SHOP DRAWINGS.
   b. VERIFY AND SHOW EXACT SIZE AND LOCATION OF ALL FLOOR, WALL AND ROOF OPENINGS, SLAB EDGES, EMBEDDED ANCHORS AND OTHER ITEMS.
   c. SHOW AND LOCATE ALL MECHANICAL SLEEVES, EMBEDS, DRAINS, ETC. ON COORDINATION DRAWINGS. ITEMS NOT REVIEWED BY THE STRUCTURAL ENGINEER ARE NOT PERMITTED IN OR THROUGH THE STRUCTURE.
   d. SUBMIT COMPLETE SHOP DRAWINGS WITH MANUFACTURERS' DATA, ETC. SHOW ALL CONNECTIONS AND DETAILS NECESSARY TO FULLY DESCRIBE AND PROPERLY INSTALL THE WORK.
   e. STRUCTURAL ENGINEER'S REVIEW SHALL BE FOR GENERAL ARRANGEMENT AND CONFORMANCE WITH THE STRUCTURAL INTENT ONLY.
7. THE SPECIFICATIONS AND STRUCTURAL DRAWINGS TYPICALLY REFER TO THE FINISHED STRUCTURE. UNLESS NOTED OTHERWISE, THEY DO NOT PRESCRIBE THE METHOD OF CONSTRUCTION.
8. BRACE ENTIRE STRUCTURE AS REQUIRED TO MAINTAIN STABILITY UNTIL COMPLETE AND FUNCTIONING AS THE DESIGNED UNIT.
9. DO NOT BACKFILL FOUNDATION WALLS SPANNING BETWEEN BASEMENT SLABS AND STRUCTURAL FLOORS UNTIL SUPPORTING SLABS ARE IN PLACE.
10. BRACE WALLS WHICH ARE TIED TO SLAB ON GRADE FOR TOP LATERAL SUPPORT BEFORE BACKFILLING AND UNTIL SLAB ON GRADE HAS ATTAINED SPECIFIED STRENGTH.
11. IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, CONTRACTOR SHALL BE SOLELY AND COMPLETELY RESPONSIBLE FOR CONDITIONS OF THE JOB SITE, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY DURING PERFORMANCE OF THE WORK. THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO WORKING HOURS.
12. THE ARCHITECT'S AND ENGINEER'S OBSERVATION AND REVIEW OF CONTRACTORS' PERFORMANCE DOES NOT INCLUDE REVIEW OF ADEQUACY OF CONTRACTOR'S SAFETY MEASURES IN, ON, OR NEAR THE CONSTRUCTION SITE.

H. QUALITY CONTROL AND ASSURANCE

1. THE CONTRACTOR SHALL PERFORM QUALITY CONTROL, TESTING AND INSPECTION OF ALL WORK AS REQUIRED BY THE CONTRACT DOCUMENTS, INCLUDING REFERENCED CODES, SPECIFICATIONS AND STANDARDS.
2. THE STRUCTURAL ENGINEER MAY GENERALLY OBSERVE THE PROGRESS OF THE WORK, BUT HIS OBSERVATION SHALL NOT BE CONSTRUED AS INSPECTION.

I. UTILITIES

1. PRIOR TO EXCAVATION AND EARTHWORK, VERIFY LOCATIONS OF UNDERGROUND UTILITIES WITH THE UTILITY COMPANIES, CONSTRUCTION MANAGER, AND/OR OWNER. EXCAVATE OR SURVEY TO ESTABLISH EXACT UTILITY LOCATIONS. UTILITY LOCATIONS SHOWN ON THE CONTRACT DRAWINGS ARE ONLY APPROXIMATE AND CANNOT BE USED TO ASSURE THE CONTRACTOR OF ADEQUATE CLEARANCE. COORDINATE ALL WORK WITH THE UTILITIES TO ASSURE THEIR UNINTERRUPTED FUNCTION.

Revisions		Date
1	65% Design Development	04.28.2015
2	95% Owner Review	08.14.2015
3	100% Construction Documents	11.04.2015
4	Bid Set Drawings	05.16.2016

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Drawing Title: GENERAL NOTES AND TYPICAL DETAILS

Approved: Project Director

Project Title: RELOCATE PROSTHETICS AND PODIATRY CLINICS

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Dwg. of

Office of Construction and Facilities Management

Department of Veterans Affairs

FULLY SPRINKLERED

VALVES AND FITTINGS

DOUBLE LINE	SINGLE LINE	
		CHECK VALVE
BALL VALVE BUTTERFLY VALVE GATE VALVE		SHUTOFF VALVE (REFER TO SPECIFICATIONS FOR REQUIRED TYPE BASED ON APPLICATIONS)
		COMBINATION SHUTOFF AND BALANCING VALVE (REFER TO SPECIFICATIONS FOR REQUIRED TYPE BASED ON APPLICATIONS)
		CONCENTRIC PIPE REDUCER
	FOT FOB	ECCENTRIC PIPE REDUCER
	P	PRESSURE GAUGE
	T	TEMPERATURE GAUGE OR THERMOMETER
		UNION
		CLEANOUT
		STRAINER
		STRAINER WITH A BLOW DOWN VALVE AND HOSE CONNECTION
		DRAIN VALVE WITH HOSE END CONNECTION
		AUTOMATIC FLOW CONTROLLER WITH P/T PLUG IN AND OUT
		EXPANSION JOINT
		PRESSURE REGULATING VALVE
		SAFETY RELIEF VALVE. PIPE DISCHARGE AIR GAPPED TO FLOOR DRAIN UNLESS NOTED OTHERWISE.
	P/T	PRESSURE AND TEMPERATURE SAFETY RELIEF VALVE. PIPE DISCHARGE AIR GAPPED TO FLOOR DRAIN UNLESS NOTED OTHERWISE.
		PRESSURE AND TEMPERATURE TEST PLUG
	TP	TRAP PRIMER
	V	VACUUM GAUGE WITH STOP
	CO	CLEANOUT TO GRADE OR FINISHED FLOOR
		END CAP
		MIXING FAUCET
		PLUG
		HOSE BIB
		WALL HYDRANT
		PLUG VALVE
		SHUTOFF VALVE AND BOX
		SHUTOFF VALVE ON RISER
	S	SOLENOID VALVE
	M	WATER METER

PLUMBING AND FIRE SUPPRESSION PIPING DESIGNATIONS

	DOMESTIC COLD WATER
	DOMESTIC HOT WATER
	DOMESTIC HOT WATER RETURN
	EXISTING PIPE TO REMAIN
	EXISTING PIPE TO BE REMOVED
140	HOT WATER PIPE (140 DEGS. F.)
180	HOT WATER PIPE (180 DEGS. F.)
140R	HOT WATER RETURN PIPE (140 DEGS. F.)
180R	HOT WATER RETURN PIPE (180 DEGS. F.)
AP	ARGON PIPE
AV	ACID VENT PIPE
AW	ACID WASTE PIPE
CA	COMPRESSED AIR PIPE
CO2	MEDICAL CARBON DIOXIDE PIPE
CWS	COMBINATION FIRE SUPPRESSION AND DOMESTIC WATER SERVICE
DF	DIESEL FUEL PIPE
DS	SPRINKLER PIPE (DRY)
F	FIRE SUPPRESSION (STANDPIPE / SPRINKLER MAIN)
FS	FIRE SERVICE
FOF	FUEL OIL FLOW LINE
FOG	FUEL OIL GAUGE LINE
FOR	FUEL OIL RETURN LINE
FOS	FUEL OIL SUPPLY LINE
G	NATURAL GAS PIPE
GD	GARAGE DRAINAGE PIPE
GS	GAS SERVICE
H2	HYDROGEN PIPE
HE	HELIUM PIPE
IA	MEDICAL INSTRUMENT AIR PIPE
IV	INDIRECT VENT PIPE
IW	INDIRECT WASTE PIPE
K	KITCHEN WASTE PIPE
LA	LABORATORY COMPRESSED AIR PIPE
LV	LABORATORY VACUUM PIPE
LVV	LABORATORY VENT PIPE
LW	LABORATORY WASTE PIPE
MA	MEDICAL COMPRESSED AIR PIPE
MV	MEDICAL-SURGICAL VACUUM PIPE
N2	MEDICAL NITROGEN PIPE
NG	GASOLINE PIPE (NON-LEAD)
NO	MEDICAL NITROUS OXIDE PIPE
NPW	NON-POTABLE
O2	MEDICAL OXYGEN PIPE
OD	(OVERFLOW) SECONDARY STORM DRAINAGE PIPE
P	PROPANE GAS PIPE
PD	PUMP DISCHARGE PIPE
PS	PRE-ACTION / DELUGE SPRINKLER PIPE
PW	PURE WATER PIPE
S	SPRINKLER PIPE (WET)
SAN	SANITARY DRAINAGE PIPE
SCW	SOFT COLD WATER
SD	SPRINKLER DRAIN PIPE
STM	STORM DRAINAGE PIPE
T	FUEL TANK VENT PIPE
TP	TRAP PRIMER DISCHARGE PIPE
TW	TEMPERED WATER PIPE
V	SANITARY SEWER VENT
WAGD	WASTE ANESTHESIA GAS DISPOSAL PIPE
WS	WATER SERVICE

GENERAL FLOOR PLAN NOTES

10" ELEV: 8' - 0" / 10" ELEV: 8' - 0"	APPROXIMATE DIMENSION ABOVE FINISHED FLOOR TO CENTERLINE OF PIPE, UNLESS NOTED OTHERWISE
TOE: 3' - 0" / BOE: 0' - 6"	APPROXIMATE DIMENSION ABOVE FINISHED FLOOR TO TOP OR BOTTOM OF EQUIPMENT, UNLESS NOTED OTHERWISE
2	RISER OR STACK NUMBER
B / P2	DETAIL: B = DETAIL DESIGNATION P2 = SHEET WHERE DETAIL IS LOCATED
1 / P2	SECTION: 1 = SECTION DESIGNATION P2 = SHEET WHERE DETAIL IS LOCATED
OH 1	FIRE SUPPRESSION HAZARD CLASSIFICATION AND HAZARD CLASSIFICATION GROUP
P1 OR P1	EQUIPMENT REFERENCE. LETTER DESIGNATION VARIES. REFER TO SCHEDULES.
A1	EQUIPMENT, DEVICE, OR PLUMBING FIXTURE MARK. LETTER DESIGNATIONS REFER TO SCHEDULES.
	CONNECT TO EXISTING
3	PLAN NOTE. APPLIES ONLY TO THE SHEET WHICH IT IS SHOWN UNLESS NOTED OTHERWISE.
3	DETAIL NOTE. APPLIES ONLY TO THE ASSOCIATED DETAIL.
A1	"UP TO" SYMBOL (ITEM ON FLOOR ABOVE)

FIRE SUPPRESSION SYMBOLS

DOUBLE LINE	SINGLE LINE	
		CONCEALED PENDENT SPRINKLER
		FIRE DEPARTMENT VALVE
		FIRE HYDRANT
	FS	FLOW SWITCH
		GATE VALVE OS&Y
		INSTITUTIONAL PENDENT SPRINKLER
		PENDENT SPRINKLER
	PIV	POST INDICATOR VALVE
		RECESSED PENDENT SPRINKLER
		SIDE WALL SPRINKLER
	S	SUPERVISED VALVE
		UPRIGHT SPRINKLER

PIPING SYMBOLS

DOUBLE LINE	SINGLE LINE	
		BOTTOM CONNECTION (45°)
		BOTTOM CONNECTION (90°)
		BRANCH TEE CONNECTION (NOTE: BULL HEAD TEE'S ARE NOT PERMITTED.)
		DIRECTION OF PITCH
D	D	DROP
		ELBOW DOWN
		ELBOW UP
		EXISTING PIPE TO BE REMOVED
		EXISTING PIPE TO REMAIN
		FLOW DIRECTION DESIGNATION
		PIPE RISER
		PUMP
R	R	RISE
		TOP CONNECTION (45°)
		TOP CONNECTION (90°)

SPECIALTY GAS SYMBOLS

	AIR OUTLET - LAB TYPE
	CARBON DIOXIDE OUTLET - HOSPITAL TYPE
	MEDICAL AIR OUTLET - HOSPITAL TYPE
	MEDICAL VACUUM INLET - HOSPITAL TYPE
	NATURAL GAS OUTLET - LAB TYPE
	NITROGEN OUTLET - HOSPITAL TYPE
	NITROUS OXIDE OUTLET - HOSPITAL TYPE
	OXYGEN OUTLET - HOSPITAL TYPE
VC	VACUUM CLEANING STATION - FLOOR
VC	VACUUM CLEANING STATION - WALL
	VACUUM OUTLET - LAB TYPE
	WAGD INLET - HOSPITAL TYPE

ABBREVIATIONS

AAP - AREA ALARM PANEL (MEDICAL GAS)
AC - AIR COMPRESSOR OR AIR CONDITIONER
ACC - ACCESS
ACCU - AIR COOLED CONDENSING UNIT
AD - ACCESS DOOR OR AREA DRAIN
ADB - ACID DILUTION BASIN
ADJ - ADJUSTABLE
AFF - ABOVE FINISHED FLOOR
AFG - ABOVE FINISHED GRADE
ALT - ALTERNATE
AP - ACCESS PANEL
APPROX - APPROXIMATE
AR - AIR RECEIVER OR ARGON
ARCH - ARCHITECT OR ARCHITECTURAL
ASSY - ASSEMBLY
AV - ACID VENT
AW - ACID WASTE

BDD - BACK DRAFT DAMPER
BFP - BACKFLOW PREVENTER
BLDG - BUILDING
BOB - BOTTOM OF BEAM
BOD - BOTTOM OF DUCT
BOE - BOTTOM OF EQUIPMENT
BOF - BOTTOM OF FOOTING
BOG - BOTTOM OF GRILLE
BOP - BOTTOM OF PIPE
BOT - BOTTOM
BT - BATHTUB
BTU - BRITISH THERMAL UNIT
BTUH - BRITISH THERMAL UNIT PER HOUR
BTWN - BETWEEN

CA - COMPRESSED AIR
CB - CATCH BASIN
CBD - COUNTER BALANCED BACKDRAFT DAMPER
CFCI - CONTRACTOR FURNISHED CONTRACTOR INSTALLED
CFM - CUBIC FEET PER MINUTE
CHS - CHILLED WATER SUPPLY
CHR - CHILLED WATER RETURN
CI - CAST IRON
CK - CLINICAL SINK
CLG - CEILING
CMU - CONCRETE MASONRY UNIT
CO - CLEAN OUT
CO2 - MEDICAL CARBON DIOXIDE
CONN - CONNECT OR CONNECTION
CONTR - CONTRACTOR
CORR - CORRIDOR
CRP - CORROSION RESISTANT PIPE
CS - CLINICAL SINK OR COLD SOFT WATER
CTR - CENTER
CU - COPPER
CW - COLD WATER
CWS - COMBINATION WATER SERVICE OR CONDENSER WATER SUPPLY
CWR - CONDENSER WATER RETURN

D - DEPTH OR DRAIN LINE
DD - DECK DRAIN
DET - DETAIL
DF - DRINKING FOUNTAIN OR WATER COOLER OR DIESEL FUEL
DFU - DRAINAGE FIXTURE UNIT
DI - DEIONIZED WATER
DIA - DIAMETER
DIM - DIMENSION
DN - DOWN
DS - DOWN SPOUT OR SPRINKLER (DRY)
DT - PERFORATED DRAIN TILE
DWG - DRAWING

EA - EACH
EC - ELECTRICAL CONTRACTOR (DIVISION 26)
EEW - EMERGENCY EYE WASH
EJ - EXPANSION JOINT
ELEC - ELECTRICAL
ELEV - ELEVATOR
EQ - EQUAL
EQUIP - EQUIPMENT
ET - EXPANSION TANK
ETR - EXISTING TO REMAIN
ES - EMERGENCY SHOWER
EQS - EQUIPMENT SUPPLIER
EWC - ELECTRICAL WATER COOLER
EXH - EXHAUST AIR
EXP - EXPANSION
EXT - EXTERIOR
EX - EXISTING

F - FIRE SUPPRESSION (STANDPIPE/SPRINKLER MAIN)
FCE - FIRE CONTROL EQUIPMENT
FCO - FLOOR CLEANOUT
FD - FLOOR DRAIN
FDC - FIRE DEPARTMENT CONNECTION
FDV - FIRE DEPARTMENT VALVE
FF - FINISHED FLOOR ELEVATION
FHC - FIRE HOSE CABINET
FLR - FLOOR
FM - FORCE MAIN
FOB - FLAT ON BOTTOM
FOF - FUEL OIL FLOW
FOG - FUEL OIL GAUGE
FOR - FUEL OIL RETURN
FOS - FUEL OIL SUPPLY
FOT - FLAT ON TOP
FPM - FEET PER MINUTE
FR - FIRE RISER
FS - FLOOR SINK OR FIRE SERVICE
FSC - FIRE SUPPRESSION CONTRACTOR (DIVISION 21)
FT - FEET
FTG - FOOTING

G - GAS OR NATURAL GAS
GA - GAUGE
GAL - GALLON
GALV - GALVANIZED
GC - GENERAL TRADES CONTRACTOR
GD - GARAGE DRAINAGE
GPM - GALLONS PER MINUTE
GS - GAS SERVICE
GW - GREASE WASTE

H2 - HYDROGEN
HB - HOSE BIBB
HC - HVAC CONTRACTOR (DIVISION 23)
HD - HUB DRAIN
HE - HELIUM
HG - REFRIGERANT HOT GAS
HP - HORSEPOWER OR HIGH POINT
HPC - HIGH PRESSURE CONDENSATE RETURN
HPS - HIGH PRESSURE STEAM SUPPLY
HPW - HIGH PURITY WATER
HPWR - HIGH PURITY WATER RETURN
HR - HOSE REEL
HT - HEAT TRACE
HTR - HEATER
HVAC - HEATING, VENTILATING, AND AIR CONDITIONING
HW - HOT WATER
HWR - HEATING HOT WATER RETURN
HWS - HEATING HOT WATER SUPPLY

IA - MEDICAL INSTRUMENT AIR
ID - INSIDE DIAMETER
INV - INVERT ELEVATION
IN - INCHES
IV - INDIRECT VENT
IW - INDIRECT WASTE

JS - JANITOR SINK

K - KITCHEN WASTE
KEC - KITCHEN EQUIPMENT CONTRACTOR

K - KITCHEN WASTE
KEC - KITCHEN EQUIPMENT CONTRACTOR

L - LENGTH
LA - LABORATORY COMPRESSED AIR
LAV - LAVATORY
LBS - POUNDS
LCW - LABORATORY COLD WATER
LEC - LABORATORY EQUIPMENT CONTRACTOR
LHW - LABORATORY HOT WATER
LHWR - LABORATORY HOT WATER RETURN
LPC - LOW PRESSURE CONDENSATE RETURN
LPS - LOW PRESSURE STEAM SUPPLY
LV - LABORATORY VACUUM OR LABORATORY VENT
LW - LABORATORY WASTE

MA - MEDICAL COMPRESSED AIR
MAP - MASTER ALARM PANEL (MEDICAL GAS)
MAX - MAXIMUM
MB - MOP BASIN
MC - MECHANICAL CONTRACTOR (DIVISION 23)
MEZZ - MEZZANINE
MFR - MANUFACTURER
MH - MANHOLE
MIN - MINIMUM OR MINUTE
MISC - MISCELLANEOUS
MTD - MOUNTED
MTG - MOUNTING
MPC - MEDIUM PRESSURE CONDENSATE RETURN
MPS - MEDIUM PRESSURE STEAM SUPPLY
MU - WATER MAKE-UP
MV - MEDICAL SURGICAL VACUUM

N2 - MEDICAL NITROGEN
NG - GASOLINE (NON-LEAD)
NIC - NOT IN CONTRACT
NO - MEDICAL NITROUS OXIDE
NOM - NOMINAL
NPW - NON-POTABLE WATER
NPT - NATIONAL PIPE THREAD
NTS - NOT TO SCALE

O2 - MEDICAL OXYGEN
OA - OUTDOOR AIR
OD - OUTSIDE DIAMETER OR OVERFLOW DRAIN
OFCI - OWNER FURNISHED CONTRACTOR INSTALLED
OFOI - OWNER FURNISHED OWNER INSTALLED

P - PROPANE GAS
PC - PLUMBING CONTRACTOR (DIVISION 22) OR PUMPED CONDENSATE RETURN
PD - PUMP DISCHARGE OR PARAPET DRAIN
PIV - POST INDICATOR VALVE
PLBG - PLUMBING
PS - PRE-ACTION/DELUGE SPRINKLER
PRESS - PRESSURE
PRV - PRESSURE REGULATING VALVE
PSF - POUNDS PER SQUARE FOOT
PSI - POUNDS PER SQUARE INCH
PSV - PRESSURE SUSTAINING VALVE
PSIG - POUNDS PER SQUARE INCH GAUGE
PW - PURE WATER

RA - RETURN AIR
RAD - RADIUS
RCP - REINFORCED CONCRETE PIPE
RD - ROOF DRAIN
REC - RECESSED
REQD - REQUIRED
RI - ROUGH IN
RL - REFRIGERANT LIQUID
ROS - REVERSE OSMOSIS WATER SUPPLY
ROR - REVERSE OSMOSIS WATER RETURN
RPM - REVOLUTIONS PER MINUTE
RS - REFRIGERANT SUCTION
RV - RELIEF VALVE

S - SPRINKLER (WET)
SA - SHOCK ARRESTOR OR SUPPLY AIR
SAN - SANITARY OR SANITARY DRAIN
SCH - SCHEDULE
SCW - SOFT COLD WATER
SD - SPRINKLER DRAIN OR SUBSOIL DRAIN
SH - SHOWER
SHT - SHEET
SK - SINK
SPEC - SPECIFICATIONS
SQ - SQUARE
SR - SUPPLY RISER
SS - SANITARY STACK (SOIL OR WASTE) OR STAINLESS STEEL
STD - STANDARD
STM - STORM OR STORM DRAINAGE
STRUC - STRUCTURAL OR STRUCTURE
SUC - SITE UTILITY CONTRACTOR

T - FUEL TANK VENT
TD - TRENCH DRAIN
TEMP - TEMPERATURE
TOB - TOP OF BEAM
TOD - TOP OF DUCT
TOE - TOP OF EQUIPMENT
TOF - TOP OF FOOTING
TOJ - TOP OF JOIST
TOP - TOP OF PIPE
TOS - TOP OF SLAB OR TOP OF STEEL
TF - TRAP FILLER
TP - TRAP PRIMER OR TRAP PRIMER DISCHARGE
TW - TEMPERED WATER
TYP - TYPICAL

UR - URINAL
UNO - UNLESS NOTED OTHERWISE

V - VENT OR SANITARY SEWER VENT
VAC - VACUUM CLEANING
VC - VACUUM CLEANING VALVE
VCV - VACUUM CLEANING VALVE
VE - VACUUM EXHAUST
VEL - VELOCITY
VIB - VALVE IN BOX
VOL - VOLUME
VP - VACUUM PUMP
VS - VENT STACK
VTR - VENT THROUGH ROOF
VR - VENT RISER

W/ - WITH
W/0 - WITHOUT
W - WASTE
WAGD - WASTE ANESTHESIA GAS DISPOSAL
WC - WATER CLOSET
WCO - WALL CLEANOUT
WH - WALL HYDRANT OR WATER HEATER
WIV - WALL INDICATOR VALVE
WS - WATER SERVICE

YCO - YARD CLEANOUT

ZVC - ZONE VALVE CABINET

FIRE SUPPRESSION DESIGN NOTES

A PROVIDE A COMPLETE FIRE SUPPRESSION SPRINKLER SYSTEM IN THE RENOVATED AREA AS INDICATED ON THE DRAWINGS.

B COORDINATE WORK WITH VAMC, PHASING PLAN AND OTHER TRADES. EACH CONTRACTOR SHALL BE RESPONSIBLE FOR OFFSETTING AND / OR RELOCATING EXISTING SERVICES TO ACCOMMODATE NEW WORK OF OTHER TRADES.

C DESIGN SERVICES SHALL FOLLOW ALL VA STANDARD DESIGN PRACTICES, DETAILS, SPECIFICATIONS AND SITE SPECIFIC COR REQUIREMENTS AS WELL AS WORK SHOWN ON THESE DOCUMENTS. ALL DEVIATIONS FROM AFOREMENTIONED REQUIREMENTS SHALL BE APPROVED BY THE COR.

D VERIFY THAT THERE IS ADEQUATE SPACE TO INSTALL ALL NEW PIPING REQUIRED TO COMPLETE THIS WORK.

E ALL SPRINKLER PIPING IS LOCATED ABOVE THE CEILING (AT THE BOTTOM OF STRUCTURE IN EXPOSED STRUCTURAL AREAS) UNLESS OTHERWISE INDICATED.

F THE BASIS OF DESIGN OF SPACING AND SIZING FOR THE COMPLETE FIRE SUPPRESSION SPRINKLER SYSTEM SHALL BE FOR A WET PIPE SYSTEM HYDRAULICALLY CALCULATED FOR A:

1 LIGHT HAZARD AREA LIMITED TO A MAXIMUM OF 225 SQ. FT. PER SPRINKLER WITH THE DENSITY OF 0.10 GPM / SQ. FT. OVER THE MOST REMOTE 1500 SQ. FT. PROVIDE AND ADDITION OF 100 GPM HOSE ALLOWANCE.

2 ALL MECHANICAL, ELECTRICAL AND SIMILAR SPACE AREAS SHALL BE ORDINARY HAZARD (GROUP 1) LIMITED TO A MAXIMUM OF 130 SQ. FT. PER SPRINKLER WITH A DENSITY OF 0.15 GPM / SQ. FT. PROVIDE AN ADDITION OF 250 GPM HOSE ALLOWANCE.

3 ALL STORAGE, TRASH, FILE STORAGE AND SIMILAR SPACE AREAS SHALL BE ORDINARY HAZARD (GROUP 2) LIMITED TO A MAXIMUM OF 130 SQ. FT. PER SPRINKLER WITH A DENSITY OF 0.20 GPM / SQ. FT. PROVIDE AN ADDITION OF 250 GPM HOSE ALLOWANCE.

G ALL SPRINKLER LOCATIONS AND RELATED PIPING SHALL BE BY THE DIVISION 21 CONTRACT.

H THE ENTIRE SPRINKLER SYSTEM SHALL CONFORM TO VAMC, LOCAL, STATE AND NFPA STANDARD, AND RULES AND REGULATIONS.

I THE DIVISION 21 CONTRACT SHALL CAREFULLY COORDINATE THE LOCATION OF ALL SPRINKLERS AND PIPING WITH ALL OTHER TRADES AND THE ARCHITECT.

J THE DIVISION 21 CONTRACT SHALL VERIFY THE LOCATION OF ALL LIGHTING FIXTURES AND AIR DEVICES BEFORE INSTALLATION OF SPRINKLERS.

K ALL SPRINKLER PIPING LAYOUT AND SIZING SHALL BE BY THE DIVISION 21 CONTRACT.

L ALL SPRINKLER LOCATIONS MUST BE COORDINATED WITH ALL EQUIPMENT KINDRED TO OTHER TRADES. SPRINKLER LOCATIONS MUST BE APPROVED BY THE ARCHITECT BEFORE WORK COMMENCES. REFER TO THE ARCHITECTURAL AND REFLECTIVE CEILING PLANS FOR ADDITIONAL INFORMATION ON ALL CEILING TYPES, HEIGHTS AND OTHER ARCHITECTURAL FEATURES.

M THE DIVISION 21 CONTRACT SHALL MAKE NECESSARY FLOW TESTS, LAYOUT SYSTEMS, OBTAIN APPROVALS FROM THE AUTHORITIES HAVING JURISDICTION PRIOR TO BEGINNING ANY FABRICATION OR INSTALLATION WORK.

N SPRINKLER PIPING SHALL BE 1" MINIMUM SIZE.

O SPRINKLERS (UNLESS OTHERWISE NOTED):
EXPOSED AREAS - UPRIGHT OR PENDENT TYPE - STANDARD BRASS CEILING AREA - RECESSED PENDENT TYPE
ALL SPRINKLERS SHALL BE UL LISTED AND FM APPROVED.

P SPRINKLERS SHALL BE "QUICK RESPONSE" TYPE IN ALL AREAS EXCEPT HIGH TEMPERATURE AREAS.

Q ALL PENDENT TYPE SPRINKLERS LOCATED IN SUSPENDED CEILING TILE AREAS SHALL BE LOCATED IN THE CENTER OF THE CEILING TILE.

R ANNULAR SPACE AT PIPE AND OTHER SIMILAR PENETRATION OF FIRE RATED ASSEMBLIES SHALL BE FIRESTOPPED. REFER TO SPECIFICATION SECTION 07 84 00 FIRESTOPPING. REFER TO ARCHITECTURAL DRAWINGS FOR CONSTRUCTION, LAYOUT AND FIRE RATING OF FLOORS, WALLS, PARTITIONS AND OTHER BUILDING ELEMENTS.

S A FLOW TEST IS REQUIRED. REFER TO SPECIFICATION SECTION 21 13 13 FOR FLOW TEST INFORMATION.

T ALL EXISTING SMOKE COMPARTMENTS SHALL BE MAINTAINED. ALL NEW SPRINKLER ZONES SHALL MATCH SMOKE COMPARTMENTS.

U REFER TO ARCHITECTURAL DRAWINGS FOR INFORMATION ON SMOKE COMPARTMENTS, SMOKE PARTITIONS AND FIRE BARRIERS.

V PHASING: REFER TO ARCHITECTURAL DRAWINGS FOR AN OUTLINE OF PROJECT PHASING. ADDITIONAL NOTES DESCRIBING PHASING DETAILS MAY BE INCLUDED THROUGHOUT THIS DRAWING SET.

W ANY NEW OR RENOVATION WORK REQUIRED OUTSIDE OF THE BOUNDARIES / EXTENTS OF SPECIFIC PHASE (OR TEMPORARY CONSTRUCTION WALLS PROVIDED BY DIVISON 1) SHALL BE BID AS "NIGHT WORK" AND SHALL BE AS DIRECTED BY THE COR.

X REFER TO ARCHITECTURAL DRAWINGS AND SPECIFICATIONS FOR ADDITIONAL INFORMATION REGARDING STATEMENT OF BID ITEMS.

NOTE: ALL SYMBOLS AND ABBREVIATIONS ARE SUBJECT TO MODIFICATIONS ON OTHER DRAWINGS.

ALL SYMBOLS OR ABBREVIATIONS MIGHT NOT NECESSARILY BE USED ON THIS PROJECT.

INDEX OF DRAWINGS - FIRE SUPPRESSION

Sheet Number	Description
FX001	LEGEND, SYMBOLS & INDEX OF DRAWINGS
307FX101	FIRST FLOOR PLAN - FIRE SUPPRESSION
307FX102	SECOND FLOOR PLAN - FIRE SUPPRESSION
315FX102	SECOND FLOOR PLAN - FIRE SUPPRESSION
330FX102	SECOND FLOOR PLAN - FIRE SUPPRESSION

1	35% Schematic Design	03.05.2015
2	65% Design Development	04.28.2015
3	95% Owner Review	08.14.2015
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Drawing Title: LEGEND, SYMBOLS & INDEX OF DRAWINGS

Approved: Project Director

Project Title: RELOCATE PROSTHETICS AND PODIATRY CLINICS

Location: Dayton, Ohio

Date: 05.16.2016 | Checked: CSS | Drawn: DPB

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Building Number

Drawing Number: FX001

Dwg. of

Office of Construction and Facilities Management

Department of Veterans Affairs

FULLY SPRINKLERED

SPECIALTY GAS SYMBOLS

	AIR OUTLET - LAB TYPE
	CARBON DIOXIDE OUTLET - HOSPITAL TYPE
	MEDICAL AIR OUTLET - HOSPITAL TYPE
	MEDICAL VACUUM INLET - HOSPITAL TYPE
	NATURAL GAS OUTLET - LAB TYPE
	NITROGEN OUTLET - HOSPITAL TYPE
	NITROUS OXIDE OUTLET - HOSPITAL TYPE
	OXYGEN OUTLET - HOSPITAL TYPE
VC	VACUUM CLEANING STATION - FLOOR
VC	VACUUM CLEANING STATION - WALL
	VACUUM OUTLET - LAB TYPE
	WAGD INLET - HOSPITAL TYPE

VALVES AND FITTINGS

DOUBLE LINE	SINGLE LINE	
		CHECK VALVE
BALL VALVE BUTTERFLY VALVE GATE VALVE		SHUTOFF VALVE (REFER TO SPECIFICATIONS FOR REQUIRED TYPE BASED ON APPLICATIONS)
		COMBINATION SHUTOFF AND BALANCING VALVE (REFER TO SPECIFICATIONS FOR REQUIRED TYPE BASED ON APPLICATIONS)
		CONCENTRIC PIPE REDUCER
	FOT FOB	ECCENTRIC PIPE REDUCER
	P	PRESSURE GAUGE
	T	TEMPERATURE GAUGE OR THERMOMETER
		UNION
		CLEANOUT
		STRAINER
		STRAINER WITH A BLOW DOWN VALVE AND HOSE CONNECTION
		DRAIN VALVE WITH HOSE END CONNECTION
		AUTOMATIC FLOW CONTROLLER WITH P/T PLUG IN AND OUT
		EXPANSION JOINT
		PRESSURE REGULATING VALVE
		SAFETY RELIEF VALVE. PIPE DISCHARGE AIR GAPPED TO FLOOR DRAIN UNLESS NOTED OTHERWISE.
	P/T	PRESSURE AND TEMPERATURE SAFETY RELIEF VALVE. PIPE DISCHARGE AIR GAPPED TO FLOOR DRAIN UNLESS NOTED OTHERWISE.
		PRESSURE AND TEMPERATURE TEST PLUG
	TP	TRAP PRIMER
	V	VACUUM GAUGE WITH STOP
	CO	CLEANOUT TO GRADE OR FINISHED FLOOR
		END CAP
		MIXING FAUCET
		PLUG
		HOSE BIB
		WALL HYDRANT
		PLUG VALVE
		SHUTOFF VALVE AND BOX
		SHUTOFF VALVE ON RISER
	S	SOLENOID VALVE
	M	WATER METER

PLUMBING AND FIRE SUPPRESSION PIPING DESIGNATIONS

	DOMESTIC COLD WATER
	DOMESTIC HOT WATER
	DOMESTIC HOT WATER RETURN
	EXISTING PIPE TO REMAIN
	EXISTING PIPE TO BE REMOVED
140	HOT WATER PIPE (140 DEGS. F.)
180	HOT WATER PIPE (180 DEGS. F.)
140R	HOT WATER RETURN PIPE (140 DEGS. F.)
180R	HOT WATER RETURN PIPE (180 DEGS. F.)
AR	ARGON PIPE
AV	ACID VENT PIPE
AW	ACID WASTE PIPE
CA	COMPRESSED AIR PIPE
CO2	MEDICAL CARBON DIOXIDE PIPE
CWS	COMBINATION FIRE SUPPRESSION AND DOMESTIC WATER SERVICE
DF	DIESEL FUEL PIPE
DS	SPRINKLER PIPE (DRY)
F	FIRE SUPPRESSION (STANDPIPE / SPRINKLER MAIN)
FS	FIRE SERVICE
FOF	FUEL OIL FLOW LINE
FOG	FUEL OIL GAUGE LINE
FOR	FUEL OIL RETURN LINE
FOS	FUEL OIL SUPPLY LINE
G	NATURAL GAS PIPE
GD	GARAGE DRAINAGE PIPE
GS	GAS SERVICE
H2	HYDROGEN PIPE
HE	HELIUM PIPE
IA	MEDICAL INSTRUMENT AIR PIPE
IV	INDIRECT VENT PIPE
IW	INDIRECT WASTE PIPE
K	KITCHEN WASTE PIPE
LA	LABORATORY COMPRESSED AIR PIPE
LV	LABORATORY VACUUM PIPE
LV	LABORATORY VENT PIPE
LW	LABORATORY WASTE PIPE
MA	MEDICAL COMPRESSED AIR PIPE
MV	MEDICAL-SURGICAL VACUUM PIPE
N2	MEDICAL NITROGEN PIPE
NG	GASOLINE PIPE (NON-LEAD)
NO	MEDICAL NITROUS OXIDE PIPE
NPW	NON-POTABLE
O2	MEDICAL OXYGEN PIPE
OD	(OVERFLOW) SECONDARY STORM DRAINAGE PIPE
P	PROPANE GAS PIPE
PD	PUMP DISCHARGE PIPE
PS	PRE-ACTION / DELUGE SPRINKLER PIPE
PW	PURE WATER PIPE
S	SPRINKLER PIPE (WET)
SAN	SANITARY DRAINAGE PIPE
SCW	SOFT COLD WATER
SD	SPRINKLER DRAIN PIPE
STM	STORM DRAINAGE PIPE
T	FUEL TANK VENT PIPE
TP	TRAP PRIMER DISCHARGE PIPE
TW	TEMPERED WATER PIPE
V	SANITARY SEWER VENT
WAGD	WASTE ANESTHESIA GAS DISPOSAL PIPE
WS	WATER SERVICE

GENERAL FLOOR PLAN NOTES

10" ELEV: 8' - 0" / 10" ELEV: 8' - 0"	APPROXIMATE DIMENSION ABOVE FINISHED FLOOR TO CENTERLINE OF PIPE, UNLESS NOTED OTHERWISE
TOE: 3' - 0" / BOE: 0' - 6"	APPROXIMATE DIMENSION ABOVE FINISHED FLOOR TO TOP OR BOTTOM OF EQUIPMENT, UNLESS NOTED OTHERWISE
2	RISER OR STACK NUMBER
B P2	DETAIL: B = DETAIL DESIGNATION P2 = SHEET WHERE DETAIL IS LOCATED
1 P2	SECTION: 1 = SECTION DESIGNATION P2 = SHEET WHERE DETAIL IS LOCATED
CH 1	FIRE SUPPRESSION HAZARD CLASSIFICATION AND HAZARD CLASSIFICATION GROUP
P1 OR P1	EQUIPMENT REFERENCE. LETTER DESIGNATION VARIES. REFER TO SCHEDULES.
A1	EQUIPMENT, DEVICE, OR PLUMBING FIXTURE MARK. LETTER DESIGNATIONS REFER TO SCHEDULES.
	CONNECT TO EXISTING
3	PLAN NOTE. APPLIES ONLY TO THE SHEET WHICH IT IS SHOWN UNLESS NOTED OTHERWISE.
3	DETAIL NOTE. APPLIES ONLY TO THE ASSOCIATED DETAIL.
A1	"UP TO" SYMBOL (ITEM ON FLOOR ABOVE)

FIRE SUPPRESSION SYMBOLS

DOUBLE LINE	SINGLE LINE	
		CONCEALED PENDENT SPRINKLER
		FIRE DEPARTMENT VALVE
		FIRE HYDRANT
	FS	FLOW SWITCH
		GATE VALVE OS&Y
		INSTITUTIONAL PENDENT SPRINKLER
		PENDENT SPRINKLER
	BIV	POST INDICATOR VALVE
		RECESSED PENDENT SPRINKLER
		SIDE WALL SPRINKLER
	S	SUPERVISED VALVE
		UPRIGHT SPRINKLER

PIPING SYMBOLS

DOUBLE LINE	SINGLE LINE	
		BOTTOM CONNECTION (45°)
		BOTTOM CONNECTION (90°)
		BRANCH TEE CONNECTION (NOTE: BULL HEAD TEE'S ARE NOT PERMITTED.)
		DIRECTION OF PITCH
D	D	DROP
		ELBOW DOWN
		ELBOW UP
		EXISTING PIPE TO BE REMOVED
		EXISTING PIPE TO REMAIN
		FLOW DIRECTION DESIGNATION
		PIPE RISER
		PUMP
R	R	RISE
		TOP CONNECTION (45°)
		TOP CONNECTION (90°)

ABBREVIATIONS

AAP	- AREA ALARM PANEL (MEDICAL GAS)
AC	- AIR COMPRESSOR OR AIR CONDITIONER
ACC	- ACCESS
ACCU	- AIR COOLED CONDENSING UNIT
AD	- ACCESS DOOR OR AREA DRAIN
ADB	- ACID DILUTION BASIN
ADJ	- ADJUSTABLE
AFF	- ABOVE FINISHED FLOOR
AFG	- ABOVE FINISHED GRADE
ALT	- ALTERNATE
AP	- ACCESS PANEL
APPROX	- APPROXIMATE
AR	- AIR RECEIVER OR ARGON
ARCH	- ARCHITECT OR ARCHITECTURAL
ASSY	- ASSEMBLY
AV	- ACID VENT
AW	- ACID WASTE
BDD	- BACK DRAFT DAMPER
BFP	- BACKFLOW PREVENTER
BLDG	- BUILDING
BOB	- BOTTOM OF BEAM
BOD	- BOTTOM OF DUCT
BOE	- BOTTOM OF EQUIPMENT
BOF	- BOTTOM OF FOOTING
BOG	- BOTTOM OF GRILLE
BOP	- BOTTOM OF PIPE
BOT	- BOTTOM
BT	- BATHTUB
BTU	- BRITISH THERMAL UNIT
BTUH	- BRITISH THERMAL UNIT PER HOUR
BTWN	- BETWEEN
CA	- COMPRESSED AIR
CB	- CATCH BASIN
CBO	- COUNTER BALANCED BACKDRAFT DAMPER
CFCI	- CONTRACTOR FURNISHED CONTRACTOR INSTALLED
CFM	- CUBIC FEET PER MINUTE
CHS	- CHILLED WATER SUPPLY
CHR	- CHILLED WATER RETURN
CI	- CAST IRON
CK	- CLINICAL SINK
CLG	- CEILING
CMU	- CONCRETE MASONRY UNIT
CO	- CLEAN OUT
CO2	- MEDICAL CARBON DIOXIDE
CONN	- CONNECT OR CONNECTION
CONTR	- CONTRACTOR
CORR	- CORRIDOR
CRP	- CORROSION RESISTANT PIPE
CS	- CLINICAL SINK OR COLD SOFT WATER
CTR	- CENTER
CU	- COPPER
CW	- COLD WATER
CWS	- COMBINATION WATER SERVICE OR CONDENSER WATER SUPPLY
CWR	- CONDENSER WATER RETURN
D	- DEPTH OR DRAIN LINE
DD	- DECK DRAIN
DET	- DETAIL
DF	- DRINKING FOUNTAIN OR WATER COOLER OR DIESEL FUEL
DFU	- DRAINAGE FIXTURE UNIT
DI	- DEIONIZED WATER
DIA	- DIAMETER
DIM	- DIMENSION
DN	- DOWN
DS	- DOWN SPOUT OR SPRINKLER (DRY)
DT	- PERFORATED DRAIN TILE
DWG	- DRAWING
EA	- EACH
EC	- ELECTRICAL CONTRACTOR (DIVISION 26)
EEW	- EMERGENCY EYE WASH
EJ	- EXPANSION JOINT
ELEC	- ELECTRICAL
ELEV	- ELEVATOR
EQ	- EQUAL
EQUIP	- EQUIPMENT
ET	- EXPANSION TANK
ETR	- EXISTING TO REMAIN
ES	- EMERGENCY SHOWER
EQS	- EQUIPMENT SUPPLIER
EWC	- ELECTRICAL WATER COOLER
EXH	- EXHAUST AIR
EXP	- EXPANSION
EXT	- EXTERIOR
EX	- EXISTING
F	- FIRE SUPPRESSION (STANDPIPE/SPRINKLER MAIN)
FCE	- FIRE CONTROL EQUIPMENT
FCO	- FLOOR CLEANOUT
FD	- FLOOR DRAIN
FDC	- FIRE DEPARTMENT CONNECTION
FDV	- FIRE DEPARTMENT VALVE
FF	- FINISHED FLOOR ELEVATION
FHC	- FIRE HOSE CABINET
FLR	- FLOOR
FM	- FORCE MAIN
FOB	- FLAT ON BOTTOM
FOF	- FUEL OIL FLOW
FOG	- FUEL OIL GAUGE
FOR	- FUEL OIL RETURN
FOS	- FUEL OIL SUPPLY
FOT	- FLAT ON TOP
FPM	- FEET PER MINUTE
FR	- FIRE RISER
FS	- FLOOR SINK OR FIRE SERVICE
FSC	- FIRE SUPPRESSION CONTRACTOR (DIVISION 21)
FT	- FEET
FTG	- FOOTING
G	- GAS OR NATURAL GAS
GA	- GAUGE
GAL	- GALLON
GALV	- GALVANIZED
GC	- GENERAL TRADES CONTRACTOR
GD	- GARAGE DRAINAGE
GPM	- GALLONS PER MINUTE
GS	- GAS SERVICE
GW	- GREASE WASTE
H2	- HYDROGEN
HB	- HOSE BIBB
HC	- HVAC CONTRACTOR (DIVISION 23)
HD	- HUB DRAIN
HE	- HELIUM
HG	- REFRIGERANT HOT GAS
HP	- HORSEPOWER OR HIGH POINT
HPC	- HIGH PRESSURE CONDENSATE RETURN
HPS	- HIGH PRESSURE STEAM SUPPLY
HPW	- HIGH PURITY WATER
HPWR	- HIGH PURITY WATER RETURN
HR	- HOSE REEL
HT	- HEAT TRACE
HTR	- HEATER
HVAC	- HEATING, VENTILATING, AND AIR CONDITIONING
HW	- HOT WATER
HWR	- HEATING HOT WATER RETURN
HWS	- HEATING HOT WATER SUPPLY
IA	- MEDICAL INSTRUMENT AIR
ID	- INSIDE DIAMETER
INV	- INVERT ELEVATION
IN	- INCHES
IV	- INDIRECT VENT
IW	- INDIRECT WASTE
JS	- JANITOR SINK
K	- KITCHEN WASTE
KEC	- KITCHEN EQUIPMENT CONTRACTOR
K	- KITCHEN WASTE
KEC	- KITCHEN EQUIPMENT CONTRACTOR
L	- LENGTH
LA	- LABORATORY COMPRESSED AIR
LAV	- LAVATORY
LBS	- POUNDS
LCW	- LABORATORY COLD WATER
LEC	- LABORATORY EQUIPMENT CONTRACTOR
LHW	- LABORATORY HOT WATER
LHWR	- LABORATORY HOT WATER RETURN
LPC	- LOW PRESSURE CONDENSATE RETURN
LPS	- LOW PRESSURE STEAM SUPPLY
LV	- LABORATORY VACUUM OR LABORATORY VENT
LW	- LABORATORY WASTE
MA	- MEDICAL COMPRESSED AIR
MAP	- MASTER ALARM PANEL (MEDICAL GAS)
MAX	- MAXIMUM
MB	- MOP BASIN
MC	- MECHANICAL CONTRACTOR (DIVISION 23)
MEZZ	- MEZZANINE
MFR	- MANUFACTURER
MH	- MANHOLE
MIN	- MINIMUM OR MINUTE
MISC	- MISCELLANEOUS
MTD	- MOUNTED
MTG	- MOUNTING
MPC	- MEDIUM PRESSURE CONDENSATE RETURN
MPS	- MEDIUM PRESSURE STEAM SUPPLY
MU	- WATER MAKE-UP
MV	- MEDICAL SURGICAL VACUUM
N2	- MEDICAL NITROGEN
NG	- GASOLINE (NON-LEAD)
NIC	- NOT IN CONTRACT
NO	- MEDICAL NITROUS OXIDE
NOM	- NOMINAL
NPW	- NON-POTABLE WATER
NPT	- NATIONAL PIPE THREAD
NTS	- NOT TO SCALE
O2	- MEDICAL OXYGEN
OA	- OUTDOOR AIR
OD	- OUTSIDE DIAMETER OR OVERFLOW DRAIN
OFCI	- OWNER FURNISHED CONTRACTOR INSTALLED
OFOI	- OWNER FURNISHED OWNER INSTALLED
P	- PROPANE GAS
PC	- PLUMBING CONTRACTOR (DIVISION 22) OR PUMPED CONDENSATE RETURN
PD	- PUMP DISCHARGE OR PARAPET DRAIN
PIV	- POST INDICATOR VALVE
PLBG	- PLUMBING
PS	- PRE-ACTION/DELUGE SPRINKLER
PRESS	- PRESSURE
PRV	- PRESSURE REGULATING VALVE
PSF	- POUNDS PER SQUARE FOOT
PSI	- POUNDS PER SQUARE INCH
PSV	- PRESSURE SUSTAINING VALVE
PSIG	- POUNDS PER SQUARE INCH GAUGE
PW	- PURE WATER
RA	- RETURN AIR
RAD	- RADIUS
RCP	- REINFORCED CONCRETE PIPE
RD	- ROOF DRAIN
REC	- RECESSED
REQD	- REQUIRED
RI	- ROUGH IN
RL	- REFRIGERANT LIQUID
ROS	- REVERSE OSMOSIS WATER SUPPLY
ROR	- REVERSE OSMOSIS WATER RETURN
RPM	- REVOLUTIONS PER MINUTE
RS	- REFRIGERANT SUCTION
RV	- RELIEF VALVE
S	- SPRINKLER (WET)
SA	- SHOCK ARRESTOR OR SUPPLY AIR
SAN	- SANITARY OR SANITARY DRAIN
SCH	- SCHEDULE
SCW	- SOFT COLD WATER
SD	- SPRINKLER DRAIN OR SUBSOIL DRAIN
SH	- SHOWER
SHT	- SHEET
SK	- SINK
SPEC	- SPECIFICATIONS
SQ	- SQUARE
SR	- SUPPLY RISER
SS	- SANITARY STACK (SOIL OR WASTE) OR STAINLESS STEEL
STD	- STANDARD
STM	- STORM OR STORM DRAINAGE
STRUC	- STRUCTURAL OR STRUCTURE
SUC	- SITE UTILITY CONTRACTOR
T	- FUEL TANK VENT
TD	- TRENCH DRAIN
TEMP	- TEMPERATURE
TOB	- TOP OF BEAM
TOD	- TOP OF DUCT
TOE	- TOP OF EQUIPMENT
TOF	- TOP OF FOOTING
TOJ	- TOP OF JOIST
TOP	- TOP OF PIPE
TOS	- TOP OF SLAB OR TOP OF STEEL
TF	- TRAP FILLER
TP	- TRAP PRIMER OR TRAP PRIMER DISCHARGE
TW	- TEMPERED WATER
TYP	- TYPICAL
UR	- URINAL
UNO	- UNLESS NOTED OTHERWISE
V	- VENT OR SANITARY SEWER VENT
VAC	- VACUUM
VC	- VACUUM CLEANING
VCV	- VACUUM CLEANING VALVE
VE	- VACUUM EXHAUST
VEL	- VELOCITY
VIB	- VALVE IN BOX
VOL	- VOLUME
VP	- VACUUM PUMP
VS	- VENT STACK
VTR	- VENT THROUGH ROOF
VR	- VENT RISER
W/	- WITH
W/0	- WITHOUT
W	- WASTE
WAGD	- WASTE ANESTHESIA GAS DISPOSAL
WC	- WATER CLOSET
WCO	- WALL CLEANOUT
WH	- WALL HYDRANT OR WATER HEATER
WIV	- WALL INDICATOR VALVE
WS	- WATER SERVICE
YCO	- YARD CLEANOUT
ZVC	- ZONE VALVE CABINET

NOTE: ALL SYMBOLS AND ABBREVIATIONS ARE SUBJECT TO MODIFICATIONS ON OTHER DRAWINGS.

ALL SYMBOLS OR ABBREVIATIONS MIGHT NOT NECESSARILY BE USED ON THIS PROJECT.

GENERAL NOTES

A ALL PIPING IS ABOVE THE CEILING (AT THE UNDERSIDE OF STRUCTURE IS EXPOSED STRUCTURAL AREAS), UNLESS OTHERWISE NOTED.

B REFER TO SCHEDULES, DETAILS AND DIAGRAMS FOR PIPING, PIPE SIZES AND PIPELINE DEVICES NOT INDICATED ON THE FLOOR PLAN.

C EXISTING CONDITIONS SHOWN HAVE BEEN BASED UPON VISUAL OBSERVATION AND / OR AVAILABLE DRAWING INFORMATION, AND MAY BE AT VARIANCE WITH ACTUAL WORK IN PLACE. THE CONTRACTOR SHALL TAKE ALL NECESSARY FILED MEASUREMENTS AND FIELD VERIFY ALL CONDITIONS AFFECTING THE EXECUTION OF THE WORK. ANY DISCREPANCIES BETWEEN EXISTING CONDITIONS AND THE WORK SHOWN ON THE CONTRACT DOCUMENTS WHICH MAY IMPACT THE PROGRESS OF THE WORK SHALL BE BROUGHT TO THE ATTENTION OF THE CONTRACTING OFFICER IN WRITING FOR RESOLUTION BEFORE PROCEEDING WITH THE WORK.

D ABOVE CEILING UTILITY SPACE IS LIMITED. COORDINATION WITH ALL TRADES IS CRITICAL, PRIOR TO INSTALLATION OF ANY WORK.

E FIELD VERIFY EXISTING CONDITIONS, INCLUDING EXACT LOCATIONS, ELEVATIONS, INVERTS, SIZES, DIRECTION OF FLOW, ETC., SHALL BE REQUIRED PRIOR TO BEGINNING NEW WORK.

F ALL EXISTING PIPING, EQUIPMENT, FIXTURES, ETC., SHOWN ON REMOVAL PLAN(S) SHALL BE REMOVED. THE MAJORITY OF THE WORK TO BE REMOVED IS SHOWN. REMOVE ALL INCIDENTAL AND / OR ABANDON PIPING ETC., THAT MAY NOT BE SHOWN BUT IS ASSOCIATED WITH THE REMOVAL WORK. ALL PIPING REQUIRING REMOVAL SHALL BE REMOVED BACK TO ACTIVE MAINS AND CAPPED, OR REMOVED BACK TO POINTS OF NEW WORK. INACCESSIBLE PIPING, WHERE SO NOTED, TO BE ABANDONED SHALL BE DISCONNECTED FROM ACTIVE MAINS AND CAPPED OR PLUGGED IN CONCEALED LOCATIONS. ACCESSIBLE PIPING, WHERE SO NOTED, TO BE ABANDONED SHALL BE REMOVED.

G NEW CONNECTIONS TO EXISTING PIPING SHALL BE WITH THE SAME SIZE AS THE EXISTING PIPING UNLESS OTHERWISE NOTED.

H THE CONTRACT DRAWINGS ARE NOT INTENDED TO SHOW EVERY VERTICAL OR HORIZONTAL OFFSET WHICH MAY BE NECESSARY TO COMPLETE THE SYSTEMS. COORDINATE WORK IN ADVANCE WITH ALL OTHER TRADES AND REPORT IMMEDIATELY ANY DIFFICULTIES WHICH CAN BE ANTICIPATED.

I ALL REMOVED MATERIAL AND EQUIPMENT SO DESIGNATED BY THE COR, SHALL BE TURNED OVER TO AND PLACED WHERE DIRECTED. ALL MATERIAL AND EQUIPMENT, WHICH THE COR DOES NOT WISH TO RETAIN, SHALL BECOME THE PROPERTY OF THE CONTRACTOR RESPONSIBLE FOR THE REMOVAL.

J ALL CUTTING PATCHING AND REMOVAL REQUIRED FOR THE INSTALLATION OF PLUMBING WORK SHALL BE BY DIVISION 22.

K REFER TO THE ARCHITECTURAL DRAWINGS FOR PROJECT PHASING REQUIREMENTS.

L WORK ON EXISTING FLOORS WITH LIMITED / NO ARCHITECTURAL SCOPE, THE CONTRACTOR SHALL PROVIDE ALL REQUIRED FLOOR / WALL PROTECTION (AS REQUIRED) AND REPLACE ANY DAMAGED TILES WITH NEW. RETURN AREA BACK TO ORIGINAL CONDITIONAL UPON COMPLETION OF WORK.

M ALL SURFACES COATED WITH PAINT SHALL BE ASSUMED TO CONTAIN LEAD. ANY DISTURBANCE TO PAINT OR PAINT-COATED COMPONENTS AS PART OF THE PROJECT REQUIRES THE CONTRACTOR TO COMPLY WITH OSHA 29 CFR 1926.62 (LEAD IN CONSTRUCTION).

N REFER TO ARCHITECTURAL DRAWINGS AND SPECIFICATIONS FOR ADDITIONAL INFORMATION REGARDING STATEMENT OF BID ITEMS.

INDEX OF DRAWINGS - PLUMBING

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307PD101	FIRST & SECOND FLOOR PLAN - REMOVALS
315PD102	SECOND FLOOR PLAN - REMOVALS
315PP101	FIRST FLOOR PLAN - NEW WORK
315PP102	SECOND FLOOR PLAN - NEW WORK
330PD102	SECOND FLOOR PLAN - REMOVALS
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330PP102	SECOND FLOOR PLAN - NEW WORK
330PP103	SECOND FLOOR AND MECHANICAL ROOM
P501	DETAILS
P601	SCHEDULES
P901	SOIL, WASTE & VENT
P902	SOIL, WASTE & VENT

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Drawing Title: LEGEND, SYMBOLS & INDEX OF DRAWINGS

Approved: Project Director

Project Title: RELOCATE PROSTHETICS AND PODIATRY CLINICS

Location: Dayton, Ohio

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Project No. VA Project No. 552-15-502 JPA Project No. 14006.00

Building Number

Drawing Number: P001

Dwg. of

Office of Construction and Facilities Management

Department of Veterans Affairs

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DRAWING SYMBOLS

- 2 / H4 — DETAIL NUMBER / DRAWING NUMBER WHERE DRAWN
- A / H7 — SECTION LETTER / DRAWING NUMBER WHERE DRAWN
- 1-SF3 — BUILDING NO. WHERE EQUIPMENT IS LOCATED. / EQUIPMENT ABBREVIATION (SUPPLY FAN) / SUPPLY FAN NO.3 IN BUILDING NO.1
- TYPICAL UNIT NO.
- 1-01 — TERMINAL UNIT DESIGNATION
- AIR HANDLING UNIT NUMBER

DUCTWORK SYMBOLS

- UP DN — SUPPLY DUCT (UP & DOWN)
- UP DN — RETURN DUCT (UP & DOWN)
- UP DN — EXHAUST DUCT (UP & DOWN)
- CEILING DIFFUSERS (FOUR WAY BLOW UNLESS OTHERWISE NOTED)
- EXHAUST OR RETURN CEILING REGISTER OR GRILLE
- SUPPLY TOP REGISTER OR GRILLE (WALL TYPE)
- EXHAUST OR RETURN BOTTOM REGISTER OR GRILLE, (WALL TYPE)
- EXHAUST OR RETURN TOP REGISTER OR GRILLE, (WALL TYPE)
- VANED ELBOW & AIR SPLIT TYPE DUCT TAKE-OFF
- R — INCLINED RISE, IN DIRECTION OF AIR FLOW
- D — INCLINED DROP, IN DIRECTION OF AIR FLOW
- FC — FLEXIBLE CONNECTION
- VANED ELBOW (PROVIDE ALL SQUARE OR RECTANGULAR ELBOWS WITH VANES EVEN IF SYMBOL IS MISSING)
- STANDARD RADIUS ELBOW
- 10/8 — NEW DUCT - WIDTH X DEPTH
- STAINLESS STEEL DUCT
- ACOUSTICAL DUCT LINING
- MANUAL VOLUME DAMPER
- FIRE DAMPER
- BOD: 9'-6" / 9'-6" — APPROXIMATE ELEVATION FROM FLOOR TO BOTTOM OF LISTED SIZE OF DUCT, DEVICE OR EQUIPMENT ITEM. (TO BE USED AS AN AID IN COORDINATING THE VARIOUS TRADES.)
- U/C — DOOR UNDERCUT BY GENERAL CONTRACTOR

PIPING SYMBOLS

HEATING

- HPS (125) — HIGH PRESSURE STEAM (60 PSIG AND ABOVE) NUMBER INDICATES STEAM PRESSURE
- HPR — HIGH PRESSURE STEAM CONDENSATE RETURN
- MPS (30) — MEDIUM PRESSURE STEAM (16 PSIG THRU 59 PSIG) NUMBER INDICATES STEAM PRESSURE
- MPR — MEDIUM PRESSURE STEAM CONDENSATE RETURN
- LPS (5) — LOW PRESSURE STEAM (15 PSIG & BELOW) NUMBER INDICATES STEAM PRESSURE
- LPR — LOW PRESSURE STEAM CONDENSATE RETURN
- PC — PUMPED CONDENSATE RETURN
- HWS — HEATING HOT WATER SUPPLY
- HWR — HEATING HOT WATER RETURN
- V — VENT LINE

AIR CONDITIONING

- CHS — CHILLED WATER SUPPLY
- CHR — CHILLED WATER RETURN
- D — DRAIN LINE
- MU — MAKE-UP WATER

GENERAL

- M — FLOW METER
- DIRECTION OF PIPE PITCH (DOWN)
- DIRECTION OF FLOW
- PIPE ANCHOR
- PIPE GUIDE
- REDUCER OR INCREASER
- ECCENTRIC REDUCER
- TOP CONNECTION, 45 DEG. OR 90 DEG.
- BOTTOM CONNECTION, 45 DEG. OR 90 DEG.
- SIDE CONNECTION
- CAPPED OUTLET
- RISE OR DROP IN PIPE
- UNION
- ORIFICE UNION
- PIPE UP
- PIPE DOWN
- POINT OF CONNECTION BETWEEN NEW AND EXISTING WORK.
- INVERTED BUCKET TRAP SET INCLUDING PIPING ACCESSORIES (SEE STANDARD DETAIL)
- FLOAT AND THERMOSTATIC TRAP SET INCLUDING PIPING ACCESSORIES (SEE STANDARD DETAIL)
- THERMOSTATIC TRAP
- STRAINER
- THERMOMETER
- PRESSURE GAGE
- EXISTING PIPE TO BE REMOVED
- TEST PLUG (PRESSURE/TEMPERATURE)
- ET — EXPANSION TANK PIPE
- PIPE MOUNTED DDC TEMPERATURE SENSOR

VALVES

- GATE VALVE
- GLOBE VALVE
- C — GATE VALVE WITH 3/4" HOSE END ADAPTER
- CHECK VALVE
- ANGLE GLOBE VALVE
- BUTTERFLY VALVE
- BALL VALVE
- COMBINATION BALANCING/SHUT-OFF VALVE
- CIRCUIT SETTER
- STRAIGHT-THRU MODULATING CONTROL VALVE
- STRAIGHT-THRU TWO-POSITION CONTROL VALVE
- THREE-WAY MODULATING CONTROL VALVE
- AUTOMATIC FLOW CONTROL VALVE
- SAFETY VALVE OR PRESSURE RELIEF
- PRESSURE REDUCING VALVE
- MANUAL AIR VENT

CONTROLS

- T H — ROOM CONTROL: THERMOSTAT, HUMIDISTAT MOUNT AT 46" AFF TO MEET ADA REQUIREMENTS.
- T — REMOTE BULB THERMOSTAT
- T — DUCT OR PIPE THERMOSTAT (NOTE 1: PROVIDE 12" MIN. LENGTH IN DUCT WHEN SPACE PERMITS)
- T — DUCT THERMOSTAT WITH AVERAGING ELEMENT
- T H — ROOM SENSOR: TEMPERATURE, HUMIDITY
- T — DUCT OR PIPE TEMP. SENSOR
- H — DUCT HUMIDITY SENSOR
- SP — DUCT STATIC PRESSURE SENSOR
- T — DUCT TEMPERATURE SENSOR WITH AVERAGING ELEMENT
- F S — SMOKE DETECTOR (SEE ELECTRICAL SPECIFICATIONS)
- H1 N — CONTROL CIRCUIT CONN.
- dP — DIFFERENTIAL PRESSURE SWITCH
- DP SP — DIFFERENTIAL OR STATIC PRESSURE TRANSMITTER
- CS — CURRENT SENSING RELAY

ABBREVIATIONS

ACCH	AIR COOLED CHILLER
AD	ACCESS DOOR
AFF	ABOVE FINISHED FLOOR
AHU	AIR HANDLING UNIT
AI	ANALOG INPUT
AO	ANALOG OUTPUT
APD	AIR PRESSURE DROP
ATC	AUTOMATIC TEMPERATURE CONTROLS
BG	BOTTOM GRILLE (WALL TYPE)
BHP	BRAKE HORSEPOWER
BIW	BACKWARD INCLINED WHEEL (FAN)
BTU	BRITISH THERMAL UNIT
BTUH	BRITISH THERMAL UNIT PER HOUR
CC	COOLING COIL
CD	CEILING DIFFUSER
CF	CENTRIFUGAL FAN
CFM	CUBIC FEET PER MINUTE
CG	CEILING GRILLE
C.O.R.	CONTRACTING OFFICER'S REPRESENTATIVE
CR	CEILING REGISTER
CUH	CABINET UNIT HEATER
CW	COLD WATER (POTABLE)
D	AUTOMATIC CONTROL DAMPER
Db	DRY BULB TEMPERATURE, DEG. F
DB	DECIBELS
DDC	DIRECT DIGITAL CONTROLS
DDP	DIRECT DRIVE PLENUM
DEG	DEGREE
DI	DIGITAL INPUT
DIA	DIAMETER
DO	DIGITAL OUTPUT
DPS	DIFFERENTIAL PRESSURE SENSOR
DX	DIRECT EXPANSION
E.A.	EXHAUST AIR
EA	EACH
EAT	ENTERING AIR TEMPERATURE
ECC	ENGINEERING CONTROL CENTER
EER	ENERGY EFFICIENCY RATIO
EF	EXHAUST FAN
ENT	ENTERING
ESP	EXTERNAL STATIC PRESSURE
EWT	ENTERING WATER TEMPERATURE
EX.	EXISTING
F	FAHRENHEIT
FC	FLEXIBLE CONNECTION
FCW	FOWARD CURVED WHEEL (FAN)
FD	FLOOR DRAIN
F&T	FLOAT AND THERMOSTATIC
FLR.	FLOOR

ABBREVIATIONS

FPM	FEET PER MINUTE
FT	FEET
GPM	GALLONS PER MINUTE
HC	HEATING COIL
HD	HEAD
HP	HORSEPOWER
HPS	HIGH PRESSURE STEAM
HWR	HEATING HOT WATER RETURN
HWS	HEATING HOT WATER SUPPLY
IAQ	INDOOR AIR QUALITY
ICF	IN-LINE CENTRIFUGAL FAN
IN	INCHES
IN WC	INCHES WATER COLUMN
IN WG	INCHES WATER GAUGE
LAT	LEAVING AIR TEMPERATURE
LBS/HR	POUNDS PER HOUR
LVG	LEAVING
LWT	LEAVING WATER TEMPERATURE
MAX	MAXIMUM
MB	MIXING BOX
MBH	1000 BTUH
MCA	MINIMUM BRANCH CIRCUIT AMPACITY
MERV	MINIMUM EFFICIENCY REPORTING VALUE
MIN	MINIMUM
MV	MANUAL AIR VENT
NC	NOISE CRITERIA
N.C.	NORMALLY CLOSED
N.O.	NORMALLY OPEN
NOM	NOMINAL
O.A.	OUTSIDE AIR
OD	OUTSIDE DIAMETER
P	PUMP
PC	PUMPED CONDENSATE RETURN
PD	PRESSURE DROP (FEET OF WATER)
PEF	PROPELLER TYPE EXHAUST FAN
PF	PRE-FILTER
PH	PREHEAT COIL
PRV	PRESSURE REDUCING VALVE
R1	ARCHITECTURAL RADIATOR DESIGNATION
R.A.	RETURN AIR
RF	RETURN FAN
Rh	RELATIVE HUMIDITY
RPM	REVOLUTIONS PER MINUTE
S.A.	SUPPLY AIR
SAT	SUPPLY AIR TEMPERATURE
SD	SMOKE DETECTOR
SDR	SMOKE DAMPER (RETURN)
SDS	SMOKE DAMPER (SUPPLY)
SF	SUPPLY FAN
S.P.	STATIC PRESSURE (INCHES OF WATER)
SP. GR.	SPECIFIC GRAVITY
SPRV	STEAM PRESSURE REDUCING VALVE
SPS	STATIC PRESSURE SENSOR
SWSI	SINGLE WIDTH SINGLE INLET (FAN)
TG	TOP GRILLE (WALL TYPE)
TG	TRANSFER GRILLE
TR	TOP REGISTER (WALL TYPE)
TSTAT	THERMOSTAT
TSP	TOTAL STATIC PRESSURE
U/C	DOOR UNDERCUT BY GENERAL CONTRACTOR
UH	UNIT HEATER
V	VALVE
VAV	VARIABLE AIR VOLUME
VD	VOLUME DAMPER
VFD	VARIABLE FREQUENCY DRIVE
W	WATTS
Wb	WET BULB TEMPERATURE, DEG. F
W.B.E.	WHITE BAKED ENAMEL
WF	WATER FILTER
WG	WATER GAUGE

GENERAL NOTES

1. THESE NOTES APPLY EQUALLY TO THE FULL SET OF DOCUMENTS.
2. SITE VISIT(S) SHALL BE AS OUTLINED IN PROJECT SPECIFICATIONS.
3. INCLUDE ALL WORK NECESSARY TO ACCOMMODATE PHASING. REFER TO ARCHITECTURAL DRAWINGS AND GENERAL REQUIREMENTS SECTION 01 00 00.
4. THE CONTRACTORS SHALL REFER TO ALL SPECIFICATION SECTIONS AND THESE DRAWINGS FOR DETAILS OF BUILDING CONSTRUCTION TO ENSURE SPACE AND SATISFACTORY ARRANGEMENT FOR THEIR WORK. THE VARIOUS DRAWINGS COMPRISING THE SET ARE INTERDEPENDENT AND MUST BE USED JOINTLY AT ALL TIMES. EACH CONTRACTOR SHALL REFER TO THE GENERAL REQUIREMENTS OF THE CONTRACT. THE NOTES AND SYMBOLS INDICATED ON THE DRAWINGS ARE FOR THE GUIDANCE OF ALL TRADES INVOLVED IN THE PROJECT AND MUST BE FOLLOWED TO EXECUTE THE WORK AS INTENDED. IF DISCREPANCIES OCCUR, CONTACT THE CONTRACTING OFFICER'S REPRESENTATIVE (C.O.R.) THRU THE CONTRACTING OFFICER FOR CLARIFICATION BEFORE PROCEEDING.
5. IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, THE CONTRACTOR WILL BE SOLELY AND COMPLETELY RESPONSIBLE FOR THE CONDITIONS ON THE JOB SITE, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY DURING PERFORMANCE OF THE WORK. THIS WILL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS. SEE SPECIFICATIONS FOR MORE SPECIFIC DETAILS ON RESPONSIBILITIES.
6. ALL WORK MUST BE COORDINATED WITH THE CONTRACTING OFFICER AND C.O.R. TO MAINTAIN OPERATION OF THE EXISTING FACILITY.
7. EACH CONTRACTOR SHALL COORDINATE HIS WORK WITH THE WORK OF OTHERS. HE SHALL KEEP HIMSELF INFORMED OF THE PROGRESS AND DETAIL DEVELOPMENT OF THE WORK OF OTHERS AND SHALL BE RESPONSIBLE FOR COORDINATING AND EXPEDITING HIS WORK WITH OTHERS SO THAT THE PROGRESS OF THE TOTAL WORK SHALL BE KEPT ON SCHEDULE.
8. ALL WORK SHALL BE PERFORMED IN COMPLETE COMPLIANCE WITH ALL GOVERNING CODES AND STANDARDS.
9. EXISTING CONDITIONS SHOWN HAVE BEEN BASED UPON VISUAL OBSERVATION AND/OR AVAILABLE DRAWING INFORMATION, AND MAY BE AT VARIANCE WITH ACTUAL WORK IN PLACE. THE CONTRACTOR SHALL TAKE ALL NECESSARY FIELD MEASUREMENTS AND FIELD VERIFY ALL CONDITIONS AFFECTING THE EXECUTION OF THE WORK. ANY DISCREPANCIES BETWEEN EXISTING CONDITIONS AND THE WORK SHOWN ON THE CONTRACT DOCUMENTS WHICH MAY IMPACT THE PROGRESS OF THE WORK SHALL BE BROUGHT TO THE ATTENTION OF THE CONTRACTING OFFICER IN WRITING FOR RESOLUTION BEFORE PROCEEDING WITH THE WORK.
10. EACH CONTRACTOR AND/OR TRADE, FITTING OR PLACING HIS WORK INTO OR ON THE WORK OF OTHERS DOES SO WITH THE UNDERSTANDING THAT THE INSTALLATION OF HIS WORK CONSTITUTES HIS ACCEPTANCE OF THE SUITABILITY OF THE WORK IN PLACE. IF THE WORK OF OTHERS IS NOT ACCEPTABLE, HE SHALL NOTIFY THE C.O.R. AND SUCH WORK SHALL BE CORRECTED. ANY NEW WORK INSTALLED IN UNSUITABLE EXISTING WORK SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR OR TRADE INSTALLING THE NEW WORK. NO CLAIMS FOR ADDITIONAL COMPENSATION FOR CORRECTING WORK INSTALLED IN UNSUITABLE EXISTING CONDITIONS WILL BE CONSIDERED.
11. ABATEMENT, REMOVAL OR ENCAPSULATION OF EXISTING MATERIALS CONTAINING ASBESTOS IS INCLUDED IN THIS CONSTRUCTION CONTRACT. REFER TO DRAWINGS AND/OR SPECIFICATIONS FOR LOCATION OF ASBESTOS. ANY ASBESTOS WORK PERFORMED AS PART OF THIS PROJECT SHALL BE COMPLETED PRIOR TO STARTING ANY OTHER PROJECT SITE WORK. REFER TO SPECIFICATIONS FOR ASBESTOS ABATEMENT.
12. SOME AREAS MAY BE NOTED ON FLOOR PLANS THAT ASBESTOS IS PRESENT. CONTRACTORS SHALL TAKE SPECIAL CARE WHILE WORKING ADJACENT TO ASBESTOS MATERIALS AND MUST BE PROPERLY PROTECTED WITH CLOTHING, BREATHING APPARATUS, ETC. VERIFY REQUIREMENTS OF VAMC'S INFECTION CONTROL RISK ASSESSMENT TEAM (ICRA).
13. REFER TO ARCHITECTURAL FIRE-RATED PARTITION PLAN(S) FOR LOCATIONS AND FIRE-RATINGS OF NEW AND EXISTING WALL ASSEMBLIES. ALL PENETRATIONS THROUGH FIRE-RATED ASSEMBLIES SHALL BE PROTECTED AND/OR FIRE-STOPPED AS REQUIRED TO MAINTAIN FIRE-RATINGS INDICATED. COORDINATE WITH ALL TRADES TO ENSURE FIRE-RATED PENETRATION REQUIREMENTS AND DETAILS ARE MET.
14. ANNULAR SPACE OF ALL PIPE, CONDUIT, DUCT & OTHER SIMILAR PENETRATIONS OF FIRE RATED ASSEMBLIES SHALL BE FIRESTOPPED. IN ADDITION, PENETRATIONS THROUGH 0-HOUR RATED WALLS & FLOORS SHALL BE FIRESTOPPED TO RETARD PASSAGE OF FIRE & SMOKE.
15. ALL PIPING, DUCTS, CONDUIITS, ETC. IN FINISHED ROOMS, CORRIDORS, ETC. SHALL BE CONCEALED IN A FURRED CHASE OR ABOVE THE SUSPENDED CEILING.
16. THE FIRST FIGURE OF DUCT SIZE INDICATES DIMENSION OF FACE SHOWN OR INDICATED. DUCT SIZES ARE NET INSIDE DIMENSIONS.
17. PROVIDE DUCT ACCESS PANELS AS REQUIRED BY 23 31 00 FOR ACCESS TO FIRE DAMPERS, SMOKE DAMPERS, SMOKE DETECTORS, AUTOMATIC CONTROL DAMPERS, AND HUMIDIFIER DISPERSION TUBES. REFER TO DETAIL ON SHEET M501. COORDINATE SIZES AND LOCATIONS WITH ACCESSORIES PROVIDED BY OTHER TRADES.
18. ACCESS PANELS IN NON ACCESSIBLE SUSPENDED CEILINGS SHALL BE PROVIDED FOR ALL VALVES, TRAPS, DAMPERS, CLEANOUTS, FLOW METERS, CONTROLS, ETC. COORDINATE SIZES AND LOCATIONS WITH OTHER TRADES.
19. FOR TYPICAL PIPING CONNECTIONS TO EQUIPMENT, SEE STANDARD DETAILS AND PIPING SCHEMATICS.
20. DIFFUSER SIZES SHOWN ON FLOOR PLANS ARE NECK SIZES. REGISTER AND GRILLE SIZES SHOWN ARE FACE SIZES.
21. WATER PIPE CONNECTIONS TO AIR HEATING AND COOLING COILS SHALL BE MADE TO PROVIDE COUNTER FLOW BETWEEN WATER AND AIR.
22. REFER TO ARCHITECTURAL REFLECTED CEILING PLANS FOR EXACT LOCATION OF CEILING DIFFUSERS, REGISTERS, AND GRILLES.
23. WHERE DUCTS OR PIPES ARE REMOVED THRU WALL/FLOOR/ROOF THAT IS TO REMAIN, PATCH WALL/FLOOR/ROOF OPENING TO MATCH EXISTING WHERE OPENING IS NOT RE-USED.
24. ALL PRESSURES LISTED ARE GAGE PRESSURE UNLESS OTHERWISE NOTED.
25. ALL CUTTING AND PATCHING REQUIRED FOR THIS PROJECT SHALL BE INCLUDED IN THE CONTRACT. REFINISH ANY SURFACE DISTURBED UNDER THIS WORK TO MATCH EXISTING.
26. IN GENERAL, KEEP DUCT AND PIPING MAINS NEXT TO UNDERSIDE OF STRUCTURE.
27. ANY REMOVED EQUIPMENT SHALL BE TURNED OVER TO THE VA. ITEMS NOT DESIRED BY THE VA SHALL BE REMOVED FROM THE PREMISES AND DISPOSED OF PROPERLY BY THE CONTRACTOR.

GENERAL NOTES

28. THE CONTRACT DRAWINGS ARE NOT INTENDED TO SHOW EVERY VERTICAL OR HORIZONTAL OFFSET WHICH MAY BE NECESSARY TO COMPLETE THE SYSTEMS. COORDINATE WORK IN ADVANCE WITH ALL OTHER TRADES AND REPORT IMMEDIATELY ANY DIFFICULTIES WHICH CAN BE ANTICIPATED.
29. FIELD VERIFY EXISTING CONDITIONS, INCLUDING DUCT, PIPE AND EQUIPMENT SIZES, SERVICES AND LOCATIONS PRIOR TO PERFORMING WORK.
30. HEPA FILTERED EXHAUST IS REQUIRED TO MAINTAIN A MINIMUM OF 0.01" W.G. NEGATIVE PRESSURE IN CONSTRUCTION AREAS. COORDINATE WITH GENERAL CONTRACTOR AND THE C.O.R.
31. ALL ABANDONED EXTRANEOUS PIPING, DUCTWORK, SUPPORTS, CONTROLS, ETC. SHALL BE REMOVED.
32. TERMINATE PIPING AND DUCTWORK BELOW FLOORS, ABOVE CEILINGS, ETC., IN CONCEALED SPACES. ALL CUTTING AND PATCHING SHALL MATCH EXISTING FINISHES.
33. WHERE CONTROL DEVICES ARE REMOVED, PNEUMATIC LINES SHALL BE REMOVED BACK TO MAIN AND CAPPED; AND CONTROL WIRING AND CONDUIT SHALL BE REMOVED BACK TO SOURCE.
34. ALL EXISTING DUCTWORK, PIPING, EQUIPMENT, CONTROLS, ETC. SHOWN DASHED ON REMOVAL PLAN(S) SHALL BE REMOVED. THE MAJORITY OF WORK TO BE REMOVED IS SHOWN. REMOVE ALL INCIDENTAL AND/OR ABANDONED DUCTWORK, PIPING, ETC. THAT MAY NOT BE SHOWN BUT IS ASSOCIATED WITH THE REMOVAL WORK.
35. WHERE EXISTING HVAC UTILITIES IN SERVICE WILL BE DISRUPTED DURING THE CONSTRUCTION OF THIS PROJECT, THIS WORK SHALL BE PERFORMED ON WEEKENDS OR WEEK NIGHTS. DOWNTIME SHALL BE KEPT TO A MINIMUM, AND SHALL BE COORDINATED AND SCHEDULED WELL IN ADVANCE WITH THE C.O.R.
36. WHEN NEW SUPPLY AND RETURN AIR DUCTS ARE CONNECTED TO EXISTING DUCTWORK, CLEAN BOTH NEW AND EXISTING DUCTWORK BY MOPPING AND VACUUM CLEANING INSIDE AND OUTSIDE BEFORE OPERATION. CLEANING OF EXISTING DUCTWORK SHALL BE LIMITED TO THE IMMEDIATE AREA WITHIN REACH OF THE OPEN END OF THE DUCT.
37. PIPING RUNOUTS TO TERMINAL UNITS SHALL BE 0.75" UNLESS OTHERWISE NOTED. REFER TO AIR TERMINAL UNIT SCHEDULE ON SHEET M601 RUNOUT PIPE SIZE.
38. APPROXIMATE ELEVATIONS NOTED ON FLOOR PLANS ARE TO THE BOTTOM OF DUCTS AND EQUIPMENT, AND TO THE CENTER OF PIPES.
39. ABOVE CEILING UTILITY SPACE IS LIMITED. COORDINATION WITH ALL TRADES IS CRITICAL AND REQUIRED FOR LAYOUT DRAWINGS, PRIOR TO INSTALLATION OF ANY WORK PER SPECIFICATION SECTION 23 05 11.
40. REFER TO ARCHITECTURAL GENERAL DEMOLITION NOTES FOR INFORMATION AND REQUIREMENTS REGARDING THE REMOVAL OR IMPACT OF PLASTER OR ACOUSTIC CEILING ADHESIVE IN THE PERFORMANCE OF DIVISION 23 CONTRACT.
41. PROVIDE ALL ROOFING PENETRATION, REPAIR AND REINFORCEMENT IN THE EXISTING BUILDING FOR WORK INDICATED. ENGAGE A ROOFING SUB-CONTRACTOR TO PERFORM THE ROOFING WORK. WHERE ROOFING WORK IS REQUIRED, THE EXISTING ROOFING MEMBRANE AND INSULATION SHALL BE CUT, REMOVED, AND RESTORED AS REQUIRED TO ATTAIN A WATERTIGHT CONDITION. THE ROOFING SUB-CONTRACTOR SHALL BE A CERTIFIED INSTALLER FOR SUCH INSTALLATION TO MAINTAIN THE EXISTING WARRANTY ON THE ROOF.

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GENERAL FLOOR PLAN NOTES

B / E2	DETAIL: B = DETAIL DESIGNATION E2 = SHEET WHERE DETAIL IS LOCATED
1 / E2	SECTION: 1 = SECTION DESIGNATION E2 = SHEET WHERE DETAIL IS LOCATED
2	PLAN NOTE. APPLIES ONLY TO THE SHEET WHICH IT IS SHOWN.
3	DETAIL NOTE. APPLIES ONLY TO THE ASSOCIATED DETAIL.
	CABLE TRAY, 12" x 4" DEEP UNLESS NOTED OTHERWISE.
	WIRE & CONDUIT IN WALL OR ABOVE CEILING.
	WIRE & CONDUIT IN OR BELOW SLAB OR GRADE.
	CONDUIT TO BE REMOVED.
E	EXISTING WIRE & CONDUIT TO REMAIN.
CAT	CONDUIT FOR DATA CIRCUITRY.
EM	WIRE & CONDUIT FOR EMERGENCY CIRCUITRY.
FA	WIRE & CONDUIT FOR FIRE ALARM CIRCUITRY.
NC	WIRE & CONDUIT FOR NURSE CALL CIRCUITRY.
W	WIRE RUN IN SURFACE WIREWAY.
CM	CABLE MANAGEMENT SYSTEM PATHWAY.
X - 1,2	EACH ARROWHEAD REPRESENTS ONE COMPLETE CIRCUIT; "X" DENOTES PANEL NAME; NUMBER(S) DENOTES CIRCUIT(S).

NURSE CALL SYMBOLS

NCCP	NURSE CALL CONTROL PANEL.
NM W	NURSE CALL DESK MOUNTED MASTER CONTROL STATION (OUTLET AT 18" MH UNLESS NOTED OTHERWISE). SUBSCRIPT "W" INDICATES WALL MOUNT (46" MH UNLESS NOTED OTHERWISE).
NS	NURSE CALL STAFF STATION (46" MH UNLESS NOTED OTHERWISE).
NS C	NURSE CALL MULTI-PIN CATV JACK (84" AFF UNLESS NOTED OTHERWISE).
NS P	NURSE CALL STAFF PRESENCE STATION (60" AFF UNLESS NOTED OTHERWISE).
ND	NURSE CALL DUTY STATION (46" MH UNLESS NOTED OTHERWISE).
N E	EMERGENCY NURSE CALL STATION WITH PULL CORD FOR PATIENT USE (46" MH AND TO SIDE AND WITHIN 12" FROM FRONT OF TOILET BOWL IN TOILET ROOMS, 66" MH IN SHOWERS AND WET AREAS, 46" MH UNLESS NOTED OTHERWISE IN ALL OTHER AREAS).
NC	PATIENT NURSE CALL UTILITY CONSOLE (46" MH UNLESS NOTED OTHERWISE).
N	PATIENT NURSE CALL STATION (ONE OR TWO CORDS AS INDICATED, 46" MH UNLESS NOTED OTHERWISE).
N	CEILING MOUNTED NURSE CALL DOME LIGHT.
H N	WALL MOUNTED NURSE CALL DOME LIGHT (90" MH UNLESS NOTED OTHERWISE).
N B	CEILING MOUNTED COMBINATION DOME LIGHT AND BUZZER.
N Z	CEILING MOUNTED NURSE CALL ZONE LIGHT.
N E	NURSE CALL EMERGENCY BUTTON (46" MH UNLESS NOTED OTHERWISE).
N B	EMERGENCY CODE BLUE BUTTON (46" MH UNLESS NOTED OTHERWISE).

GENERAL NOTES

A. ALL ELECTRICAL SPLICES FOR WIRE SIZES 6 AWG AND LARGER SHALL BE HYDRAULIC CRIMP TYPE.
B. THESE NOTES APPLY EQUALLY TO THE FULL SET OF DOCUMENTS.
C. SITE VISIT(S) SHALL BE AS OUTLINED IN PROJECT SPECIFICATIONS.
D. ANY ASBESTOS WORK PERFORMED AS PART OF THIS PROJECT SHALL BE COMPLETED PRIOR TO STARTING ANY OTHER PROJECT SITE WORK.
E. THE NOTES AND SYMBOLS SET DOWN ON THESE DRAWINGS ARE FOR THE GUIDANCE OF ALL TRADES INVOLVED IN THE PROJECT AND MUST BE FOLLOWED TO EXECUTE THE WORK AS INTENDED.
F. THE CONTRACTORS SHALL REFER TO ALL SPECIFICATION SECTIONS, AND ELECTRICAL DRAWINGS FOR DETAILS OF BUILDING CONSTRUCTION TO ENSURE SPACE AND SATISFACTORY ARRANGEMENT FOR THEIR WORK. THE VARIOUS DRAWINGS COMPRISING THE SET ARE INTEREDEPENDENT AND MUST BE USED JOINTLY AT ALL TIMES. EACH CONTRACTOR SHOULD REFER TO THE GENERAL REQUIREMENTS OF THE CONTRACT. THESE NOTES AND SYMBOLS SET DOWN ON THE DRAWINGS ARE FOR THE GUIDANCE OF ALL TRADES INVOLVED IN THE PROJECT AND MUST BE FOLLOWED TO EXECUTE THE WORK AS INTENDED. IF DISCREPANCIES OCCUR, CONTACT THE COR THRU THE CONTRACTING OFFICER FOR CLARIFICATION BEFORE PROCEEDING.
G. IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, THE CONTRACTOR WILL BE SOLELY AND COMPLETELY RESPONSIBLE FOR THE CONDITIONS ON THE JOB SITE, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY DURING PERFORMANCE OF THE WORK. THIS WILL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS. SEE SPECIFICATIONS FOR MORE SPECIFIC DETAILS ON RESPONSIBILITIES.
H. ALL WORK MUST BE COORDINATED WITH THE COR TO MAINTAIN OPERATION OF THE EXISTING FACILITY.
I. FIELD VERIFY DIMENSIONAL INFORMATION PRIOR TO ORDERING EQUIPMENT. DO NOT SCALE DRAWINGS.
J. DIMENSIONS ARE TYPICALLY INDICATED TO THE FINISHED FACE OF WALLS OR PARTITIONS AND CENTER LINES OF COLUMNS UNLESS OTHERWISE INDICATED.
K. TITLES, CAPTIONS, HEADINGS, ETC. ARE INTENDED FOR GENERAL REFERENCE AND ARE NOT INTENDED TO LIMIT THE WORK REQUIRED IN ANY WAY.
L. EACH CONTRACTOR SHALL COORDINATE HIS WORK WITH THE WORK OF OTHERS. HE SHALL KEEP HIMSELF INFORMED OF THE PROGRESS AND DETAIL DEVELOPMENT OF THE WORK OF OTHERS AND SHALL BE RESPONSIBLE FOR COORDINATING AND EXPEDITING HIS WORK WITH OTHERS SO THAT THE PROGRESS OF THE TOTAL WORK SHALL BE KEPT ON SCHEDULE.
M. ALL WORK SHALL BE PERFORMED IN COMPLETE COMPLIANCE WITH ALL GOVERNING CODES AND STANDARDS.
N. EXISTING CONDITIONS SHOWN HAVE BEEN BASED UPON AVAILABLE DRAWING INFORMATION, LIMITED SITE INVESTIGATIONS, AND MAY BE AT VARIANCE WITH ACTUAL WORK IN PLACE. THE CONTRACTOR SHALL TAKE ALL NECESSARY FIELD MEASUREMENTS AND FIELD VERIFY ALL CONDITIONS AFFECTING THE EXECUTION OF THE WORK, ANY DISCREPANCIES BETWEEN EXISTING CONDITIONS AND THE WORK SHOWN ON THE CONTRACT DOCUMENTS WHICH MAY IMPACT THE PROGRESS OF THE WORK SHALL BE BROUGHT TO THE ATTENTION OF THE CONTRACTING OFFICER IN WRITING FOR RESOLUTION BEFORE PROCEEDING WITH THE WORK.
O. EACH CONTRACTOR AND/OR TRADE FITTING OR PLACING HIS WORK INTO OR ON THE WORK OF OTHERS DOES SO WITH THE UNDERSTANDING THAT THE INSTALLATION OF HIS WORK CONSTITUTES HIS ACCEPTANCE OF THE SUITABILITY OF THE WORK IN PLACE. IF THE WORK OF OTHERS IS NOT ACCEPTABLE, HE SHALL NOTIFY THE COR AND SUCH WORK SHALL BE CORRECTED. ANY NEW WORK INSTALLED IN UNSUITABLE EXISTING WORK SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR OR TRADE INSTALLING THE NEW WORK. NO CLAIMS FOR ADDITIONAL COMPENSATION FOR CORRECTING WORK INSTALLED IN UNSUITABLE EXISTING CONDITIONS WILL BE CONSIDERED.
P. ANY STRUCTURAL, MECHANICAL, ELECTRICAL, FIRE PROTECTION, OR PLUMBING INFORMATION INDICATED ON THE ARCHITECTURAL DRAWINGS IS FOR REFERENCE PURPOSES ONLY UNLESS OTHERWISE INDICATED.
Q. IF, IN THE PERFORMANCE OF THE ELECTRICAL WORK, MATERIALS ARE OBSERVED WHICH ARE SUSPECTED TO CONTAIN ASBESTOS, THE ELECTRICAL CONTRACTOR SHALL IMMEDIATELY INFORM THE COR. WORK THAT WOULD EXPOSE WORKERS TO THE INHALATION OF ASBESTOS PARTICLES SHALL BE TERMINATED. WORK MAY BE RESUMED ONLY AFTER A DETERMINATION HAS BEEN MADE AND UNSAFE MATERIALS HAVE BEEN REMOVED OR ENCAPSULATED AND THE AREA DECLARED SAFE.
R. PROPER PERSONNEL PROTECTION EQUIPMENT SHALL BE WORN PER OSHA AND VA REQUIREMENTS WITH VAMC COR AND SAFETY OFFICER.
S. FIRESTOPPING ASSEMBLIES SHALL BE PROVIDED AT PENETRATIONS OF CONDUITS AND OTHER ELECTRICAL ITEMS THRU FIRE RATED FLOORS, FIRE RATED WALLS AND PARTITIONS AND FIRE RATED SHAFT WALLS AND PARTITIONS. ALL PENETRATIONS THROUGH 0-HOUR RATED WALLS SHALL BE CAULKED SMOKE-TIGHT. REFER TO SPECIFICATION SECTION 07 84 00.
T. REMOVE EXISTING ELECTRICAL SYSTEMS WHICH ARE MADE SUPERFLUOUS WHEN NEW SYSTEMS ARE INSTALLED INCLUDING ALL ASSOCIATED WIRING AND DEVICES. PROVIDE BLANK STAINLESS STEEL COVERPLATES PROPERLY SIZED FOR EXISTING BACKBOX AND WALL OPENING FOR ALL RECESSED WALL MOUNTED DEVICES REMOVED. ALL ABANDON RACEWAY, CONDUIT AND BOXES SHALL BE REMOVED.
U. REFER TO SPECIFICATION SECTION 01 00 00 GENERAL REQUIREMENTS FOR STATEMENT OF BID ITEM(S) AND DEDUCTIVE ALTERNATES.
V. CONTRACTOR IS REQUIRED TO PROVIDE FLOOR AND WALL PROTECTION (AS NEEDED) AND REPLACE ANY DAMAGED CEILING TILES WITH NEW. RETURN AREA BACK TO ORIGINAL CONDITIONS UPON COMPLETION OF WORK.

ELECTRICAL SYMBOLS

3 $	DASH SYMBOL INDICATES PARTICULAR OUTLET OR DEVICE TO BE REMOVED AND CIRCUITRY MADE CONTINUOUS WHERE REQUIRED.
3 $	EXISTING OUTLET OR DEVICE TO REMAIN. MAINTAIN EXISTING CIRCUITING.
	ELECTRICAL CONNECTION.
	20A-125V DUPLEX RECEPTACLE, NEMA 5-20R (18" MH UNLESS NOTED OTHERWISE).
	SURFACE MOUNT 20A-125V DUPLEX RECEPTACLE, NEMA 5-20R (18" MH UNLESS NOTED OTHERWISE). UTILIZE SINGLE CHANNEL RACEWAY TO ABOVE ACCESSIBLE CEILING.
	20A-125V SINGLE RECEPTACLE, NEMA 5-20R (18" MH UNLESS NOTED OTHERWISE).
	20A-208V/1P SINGLE RECEPTACLE. NEMA 5-20R, (46" MH UNLESS NOTED OTHERWISE).
F	20A-208V/1P SINGLE RECEPTACLE. NEMA 5-20R, (46" MH UNLESS NOTED OTHERWISE). ENGRAVE COVERPLATE TO READ "FREEZER"
	20A-125V DOUBLE DUPLEX RECEPTACLE. NEMA 5-20R, (18" MH UNLESS NOTED OTHERWISE) TWO GANG ASSEMBLY.
	20A-125V DUPLEX RECEPTACLE, NEMA 5-20R (46" MH UNLESS NOTED OTHERWISE).
GF	20A-125V DUPLEX RECEPTACLE, NEMA 5-20R, WITH GROUND FAULT CIRCUIT INTERRUPTER (18" MH UNLESS NOTED OTHERWISE).
WP	20A-125V WEATHERPROOF DUPLEX RECEPTACLE, NEMA 5-20R (HORIZONTAL 18" MH UNLESS NOTED OTHERWISE) WITH COVER, VERTICAL MOUNT.
WP/GF	20A-125V WEATHERPROOF DUPLEX RECEPTACLE, NEMA 5-20R WITH GROUND FAULT CIRCUIT INTERRUPTER (18" MH UNLESS NOTED OTHERWISE), STANDARD COVER, VERTICAL MOUNT.
EM	20A-125V DUPLEX RECEPTACLE, NEMA 5-20R, ON EMERGENCY POWER (18" MH UNLESS NOTED OTHERWISE).
T	20A-125V POWERLOCK GROUNDING TYPE RECEPTACLE, HOSPITAL USE (66" MH UNLESS NOTED OTHERWISE).
	20A-125V DUPLEX PEDESTAL TYPE FLOOR RECEPTACLE, NEMA 5-20R, FLOOR BOX WITH COVERPLATE HOUSING. PROVIDE CARPET FLANGE WHERE REQUIRED.
	20A-125V DUPLEX RECEPTACLE, NEMA 5-20R, FLUSH FLOOR BOX WITH ROUND COVERPLATE. PROVIDE CARPET FLANGE WHERE REQUIRED.
PT	4-20A-125V RECEPTACLE, NEMA 5-20R, WITH 4 KEYSTONE OPENINGS FOR DATA CABLING IN A 4" CORE HOLE FIRE RATED POKE THRU. POKE-THRU SHALL BE PROVIDED WITH ONE 0.75" CONDUIT FOR POWER AND ONE 1.5" CONDUIT FOR COMMUNICATIONS. PROVIDE WITH APPROPRIATE SUB-PLATE CONTAINING (4) 20A, 125V RECEPTACLES AND (4) KEYSTONE OPENINGS. COORDINATE TOP COVER WITH ARCH TO MATCH FLOOR FINISH.
J	JUNCTION BOX.
$	SINGLE POLE SWITCH (46" MH UNLESS NOTED OTHERWISE).
2 $	TWO POLE WALL SWITCH (46" MH UNLESS NOTED OTHERWISE).
3 $	THREE-WAY WALL SWITCH (46" MH UNLESS NOTED OTHERWISE).
4 $	FOUR-WAY WALL SWITCH (46" MH UNLESS NOTED OTHERWISE).
P $	SWITCH WITH NEON PILOT LIGHT. ONE-GANG ASSEMBLY (46" MH UNLESS NOTED OTHERWISE).
K $	KEY OPERATED WALL SWITCH (46" MH UNLESS NOTED OTHERWISE).
L $	LOW-VOLTAGE MOMENTARY WALL SWITCH (46" MH UNLESS NOTED OTHERWISE).
DM $	LIGHTING DIMMER SWITCH (46" MH UNLESS NOTED OTHERWISE) 1000 WATTS UNLESS OTHERWISE INDICATED.
M $	FLUSH FRACTIONAL HORSEPOWER MOTOR STARTER WITH NEON PILOT LIGHT. ONE-GANG ASSEMBLY (46" MH UNLESS NOTED OTHERWISE).
	ELECTRICAL PANEL OR SWITCHBOARD PER DRAWINGS.
P/B	PULL BOX.
J	DISCONNECT SWITCH.
	MOTOR STARTER.
J	COMBINATION MOTOR STARTER AND DISCONNECT SWITCH.
	ELECTRIC MOTOR.
UH	UNIT HEATER.
FC	FAN COIL.
AC	AIR CONDITIONER.
CU	CONDENSING UNIT.
UV	UNIT VENTILATOR.
T	LINE VOLTAGE THERMOSTAT.
H DH	DUCT HEATER.
H EB	ELECTRIC BASEBOARD HEATER.
M	INTERCOM SYSTEM DESK MOUNTED MASTER CONTROL STATION. SUBSCRIPT "W" INDICATES WALL MOUNT (46" MH UNLESS NOTED OTHERWISE).
I	INTERCOM STAFF STATION (46" MH UNLESS NOTED OTHERWISE).
H	INTERCOM HORN TYPE SPEAKER (84" MH UNLESS NOTED OTHERWISE).
S	INTERCOM SPEAKER FLUSH MOUNT IN CEILING.
	PUSHBUTTON (46" MH UNLESS NOTED OTHERWISE) (120 VOLT).
PC	PHOTOELECTRIC SENSOR.
LC	LIGHTING CONTACTOR.
OS	CEILING MOUNTED OCCUPANCY SENSOR.
DS	CEILING MOUNTED DAYLIGHT SENSOR.
	VARIABLE FREQUENCY DRIVE

NOTE: ALL SYMBOLS AND ABBREVIATIONS ARE SUBJECT TO MODIFICATIONS ON OTHER DRAWINGS.

ALL SYMBOLS OR ABBREVIATIONS MIGHT NOT NECESSARILY BE USED ON THIS PROJECT.

FIRE ALARM SYMBOLS

FACP	FIRE ALARM CONTROL PANEL.
75 F	FIRE ALARM SPEAKER & SIGNAL LIGHT (80" AFF). (# WHEN SHOWN INDICATES CANDELA RATING OF STROBE. WHEN A # IS NOT SHOWN, THE STROBE SHALL BE RATED 75 CANDELA.
75 F	FIRE ALARM CHIME & SIGNAL LIGHT (80" AFF). (# WHEN SHOWN INDICATES CANDELA RATING OF STROBE. WHEN A # IS NOT SHOWN, THE STROBE SHALL BE RATED 75 CANDELA.
75 F	FIRE ALARM HORN & SIGNAL LIGHT (80" AFF). (# WHEN SHOWN INDICATES CANDELA RATING OF STROBE. WHEN A # IS NOT SHOWN, THE STROBE SHALL BE RATED 75 CANDELA.
75	FIRE ALARM SIGNALING LIGHT (80" AFF). (# WHEN SHOWN INDICATES CANDELA RATING OF STROBE. WHEN A # IS NOT SHOWN, THE STROBE SHALL BE RATED 75 CANDELA.
S F	CEILING MOUNTED FIRE ALARM SPEAKER.
F K	FIRE ALARM MANUAL STATION (46" MH UNLESS NOTED OTHERWISE). SUBSCRIPT "K" INDICATES KEY OPERATED.
F AR	FIRE ALARM AREA OF RESCUE REMOTE STATION, MTD. 46" AFF.
S	CEILING MOUNTED SMOKE DETECTOR.
H	CEILING MOUNTED HEAT DETECTOR.
S S/R	DUCT MOUNTED SMOKE DETECTOR. SUBSCRIPT "S" INDICATES SUPPLY. SUBSCRIPT "R" INDICATES RETURN.
H S/R	DUCT MOUNTED HEAT DETECTOR. SUBSCRIPT "S" INDICATES SUPPLY. SUBSCRIPT "R" INDICATES RETURN.
C	ELECTRIC RELEASE DOOR CLOSER.
D	ELECTRO-MAGNETIC DOOR HOLDER.
FS	WATER FLOW SWITCH.
V	VALVE SUPERVISORY SWITCH.
W R	DUCT MOUNTED DETECTOR REMOTE TEST STATION AND ALARM INDICATOR LIGHT. SUBSCRIPT "W" INDICATES WALL MOUNTED.
SD	SMOKE DAMPER.
FT	FIRE FIGHTER'S TELEPHONE (60" MH UNLESS NOTED OTHERWISE).
PS	PRESSURE SWITCH.
AM C/I	ADDRESSABLE MODULE. SUBSCRIPT "M" INDICATES MONITORING. SUBSCRIPT "C" INDICATES CONTROL.
PIV	POST INDICATOR VALVE.
K	KNOX BOX.

LUMINAIRE SYMBOLS

A a	LIGHTING FIXTURE. CAPITAL LETTER DENOTES FIXTURE TYPE, LOWER CASE LETTER DENOTES SWITCHING ARRANGEMENT.
	LIGHTING FIXTURE ON EMERGENCY CIRCUIT.
	EXIT LIGHTING FIXTURE, ARROWS AS INDICATED.

TECHNOLOGY SYMBOLS

	FIRE RATED, RE-ENTERABLE SLEEVE ASSEMBLY THRU WALL (1-4" SLEEVE UNLESS NOTED OTHERWISE).
AP EX:R	EXISTING CEILING MOUNTED WIRELESS ACCESS POINT (CISCO AIR-LAP1131AG CEILING MOUNTED AP) TO BE REMOVED AND RE-INSTALLED IN NEW CEILING. REPLACE DATA DROP WITH NEW 1-DATA DROP WITH 20' MANAGED SLACK COIL ABOVE CEILING.
D 2	WALL MOUNTED VOICE-DATA OUTLET (18" MH UNLESS NOTED OTHERWISE). BOX WITH CONDUIT(S) TO ABOVE CORRIDOR CEILING. JACKS, FACEPLATE AND CABLE. REFER TO FACEPLATE DETAILS. SUFFIX INDICATES # OF PORTS
D W	WALL MOUNTED PHONE OUTLET (46" MH UNLESS NOTED OTHERWISE). BOX WITH CONDUIT TO ABOVE ACCESSIBLE CEILING, JACKS, FACEPLATE AND CABLE.
D X	WALL MOUNTED FLAT PANEL AV OUTLET (60" MH UNLESS NOTED OTHERWISE). CUSTOM FSR BOX WITH CONDUIT, JACKS, FACEPLATE AND CABLING. SUBSCRIPT "X" INDICATES ALTERNATE CONFIGURATION.
A	FIRE RATED POKE THRU WITH COMBINED POWER/COMMUNICATIONS SERVICE, PROVIDE APPROPRIATE CONNECTOR PLATE AND HINGED COVER. "#" INDICATES OUTLET TYPE.
S	HORN TYPE PAGING/INTERCOM SYSTEM SPEAKER (90" MH UNLESS NOTED OTHERWISE). 1-GANG BOX WITH 0.75" CONDUIT TO ABOVE ACCESSIBLE CEILING, GROMMETED FACEPLATE, SPEAKER, INSTALLATION AND WIRING.
CR	WALL MOUNTED COMBO PROXIMITY CARD READER/KEYPAD (46" MH UNLESS NOTED OTHERWISE). 1-GANG BOX WITH CONDUIT TO COMMON SMS JUNCTION BOX ABOVE ACCESSIBLE CEILING, CARD READER AND CABLING. REFER TO SECURITY ROUGH-IN DETAILS.
DM	DOOR POSITION SWITCH WITH WIRING. CONDUIT PATHWAYS FROM DOOR FRAME TO COMMON SMS JUNCTION BOX ABOVE ACCESSIBLE CEILING. PROVIDE ONE CONTACT FOR EACH LEAF IN MULTI-DOOR OPENINGS. REFER TO SECURITY ROUGH-IN DETAILS.
EL	ELECTRONIC DOOR LOCK AND INSTALLATION BY OTHERS. PROVIDE LOW VOLTAGE WIRING, CONDUIT PATHWAYS FROM DOOR FRAME TO COMMON SMS JUNCTION BOX ABOVE ACCESSIBLE CEILING. REFER TO SECURITY ROUGH-IN DETAILS.
EM	ELECTRONIC MAG LOCK AND INSTALLATION BY OTHERS. PROVIDE LOW VOLTAGE WIRING, CONDUIT PATHWAYS FROM DOOR FRAME TO COMMON SMS JUNCTION BOX ABOVE ACCESSIBLE CEILING. REFER TO SECURITY ROUGH-IN DETAILS.
ES	ELECTRONIC STRIKE AND INSTALLATION BY OTHERS. PROVIDE LOW VOLTAGE WIRING, CONDUIT PATHWAYS FROM DOOR FRAME TO COMMON SMS JUNCTION BOX ABOVE ACCESSIBLE CEILING. REFER TO SECURITY ROUGH-IN DETAILS.
IC	WALL MOUNTED AIPHONWE AX SERIES IP AUDIO/VIDEO INTERCOM DOOR STATION (46" MH UNLESS NOTED OTHERWISE). 1-GANG BOX WITH 0.75" CONDUIT TO ABOVE ACCESSIBLE CEILING, INTERCOM AND DATA DROP CABLING.
JB	SECURITY SYSTEM JUNCTION BOX TO BE LOCATED ABOVE ACCESSIBLE CEILING (MIN 6"X6"X4"). ROUTE LOCAL DOOR SECURITY WIRING CONDUITS/RACEWAYS TO JUNCTION BOX. EXTEND 1" CONDUIT WITH DOOR SECURITY WIRING TO LOCAL 2-DOOR CONTROL PANEL/REMOTE DOOR CONTROL PANEL AS INDICATED ON DRAWINGS. REFER TO SECURITY ROUGH-IN DETAILS.
IM	AIPHONE AX SERIES, IP INTERCOM MASTER STATION WITH VIDEO DISPLAY.
RX X	REQUEST TO EXIT SWITCH IN DOOR HARDWARE BY OTHERS. PROVIDE LOW VOLTAGE WIRING, CONDUIT PATHWAYS FROM DOOR FRAME TO COMMON SMS JUNCTION BOX ABOVE ACCESSIBLE CEILING. REFER TO SECURITY ROUGH-IN DETAILS.
SC	CEILING MOUNTED PAGING/INTERCOM SYSTEM SPEAKER.
V	PAGING/INTERCOM SYSTEM WALL MOUNTED SPEAKER VOLUME CONTROLLER (46" MH UNLESS NOTED OTHERWISE). 1-GANG BOX AND 0.75" CONDUIT TO ABOVE ACCESSIBLE CEILING, VOLUME CONTROLLER WITH FACEPLATE, INSTALLATION AND WIRING.
SR	CEILING MOUNTED SOUND REINFORCEMENT SPEAKER. REFER TO AV SYSTEM DETAILS AND SPECIFICATONS.
60	WALL MOUNTED, FLAT PANEL HD DISPLAY/TV WITH WALL MOUNTING HARDWARE. NUMERAL INDICATES NOMINAL DISPLAY SIZE. REFER TO AV SYSTEM DETAILS AND SPECIFICATIONS.
A	WALL MOUNTED AV OULET. REFER TO OUTLET ELEVATIONS FOR ADDITIONAL INFORMATION. SUBSCRIPT REFERS TO SPEWCIFIC OUTLET CONFIGURATION.
FS	RECESSED CEILING MOUNTED ELECTRIC PROJECTION SCREEN. REFER TO AV SYSTEM DETAILS AND SPECIFICATIONS.
PB	CEILING MOUNTED PROJECTOR WITH CEILING PROJECTOR ENCLOSURE. REFER TO AV SYSTEM DETAILS AND SPECIFICATIONS.
WC	AV SYSTEM, WALL MOUNTED CONTROL PANEL WITH BOX AND CONDUIT. REFER TO AV SYSTEM DETAILS AND SPECIFICAIONS.
JE	WALL MOUNTED SHORT THROW INTERACTIVE PROJECTOR WITH REQUIRED BACKBOES AND CONDUIT. REFER TO AV DETAILS AND SPECIFICATIONS.
X	

ABBREVIATIONS

AAP - AREA ALARM PANEL - MEDICAL GAS
CC - ACCESS
ADJ - ADJUSTABLE
AF - ARC FAULT CIRCUIT INTERUPTER
AFCI - ARC FAULT CIRCUIT INTERUPTER
AFF - ABOVE FINISHED FLOOR TO BOTTOM OF ITEM
AFG - ABOVE FINISHED GRADE TO BOTTOM OF ITEM
ALT - ALTERNATE
AP - ACCESS PANEL
APPROX. - APPROXIMATE
ARCH - ARCHITECT OR ARCHITECTURAL
ASSY - ASSEMBLY
ATS - AUTOMATIC TRANSFER SWITCH

BLDG - BUILDING
BOE - BOTTOM OF EQUIPMENT
BOT - BOTTOM
BTWN - BETWEEN

CFCI - CONTRACTOR FURNISHED CONTRACTOR INSTALLED
CKT - CIRCUIT
CLG - CEILING
CMU - CONCRETE MASONRY UNIT
CONN - CONNECT OR CONNECTION
CONTR - CONTRACTOR
CORR - CORRIDOR
CTR - CENTER

D - DEPTH
DET - DETAIL
DIA - DIAMETER
DIM - DIMENSION
DIV - DIVISION
DN - DOWN
DWG - DRAWING

EA - EACH
EC - ELECTRICAL CONTRACTOR (DIVISION 26)
EJ - EXPANSION JOINT
ELEC - ELECTRICAL
ELEV - ELEVATION OR ELEVATOR
EM - EMERGENCY
EQ - EQUAL
EQS - EQUIPMENT SUPPLIER
EQUIP - EQUIPMENT
EX:R - EXISTING DEVICE TO BE REMOVED, CLEANED, STORED, AND RELOCATED UNDER NEW WORK PHASE.

ETR - EXISTING TO REMAIN
EWC - ELECTRIC WATER COOLER
EX - EXISTING
EXP - EXPANSION
EXT - EXTERIOR

FCE - FIRE CONTROL EQUIPMENT
FF - FINISHED FLOOR ELEVATION
FLR - FLOOR
FSC - FIRE SUPPRESSION CONTRACTOR (DIVISION 21)
FT - FEET
FTG - FOOTING

GC - GENERAL CONTRACTOR
GF - GROUND FAULT CIRCUIT INTERRUPTER
GFCI - GROUND FAULT CIRCUIT INTERRUPTER OR GOVERNMENT FURNISHED CONTRACTOR INSTALLED
GFFT - GROUND FAULT FEED THRU

HC - HVAC CONTRACTOR (DIVISION 23)
HP - HORSE POWER OR HIGH POINT
HVAC - HEATING, VENTILATING, AND AIR CONDITIONING

ID - INSIDE DIAMETER
IN - INCHES

KEC - KITCHEN EQUIPMENT CONTRACTOR

L - LENGTH
LBS - POUNDS

MAP - MASTER ALARM PANEL (MEDICAL GAS)
MAX - MAXIMUM
MEZZ - MEZZANINE
MFR - MANUFACTURER
MH - MANHOLE OR MOUNTING HEIGHT TO CENTER LINE OF ITEM
MIN - MINIMUM OR MINUTE
MISC - MISCELLANEOUS
MTD - MOUNTED
MTG - MOUNTING

NIC - NOT IN CONTRACT
NOM - NOMINAL
NTS - NOT TO SCALE

OD - OUTSIDE DIAMETER
OFCI - OWNER FURNISHED CONTRACTOR INSTALLED
OFOI - OWNER FURNISHED OWNER INSTALLED

PC - PLUMBING CONTRACTOR (DIVISION 22)
PLBG - PLUMBING

RAD - RADIUS
REC - RECESSED
REQD - REQUIRED
RI - ROUGH-IN

S - SURFACE MOUNTED
SC - SECURITY CONTRACTOR
SCH - SCHEDULE
SHT - SHEET
SMS - SECURITY MANAGEMENT SYSTEM
SPEC - SPECIFICATIONS
SQ - SQUARE
SS - STAINLESS STEEL
STD - STANDARD
STRUC - STRUCTURAL OR STRUCTURE
SUC - SITE UTILITY CONTRACTOR

TC - TECHNOLOGY CONTRACTOR
TEMP - TEMPERATURE
TOE - TOP OF EQUIPMENT
TYP - TYPICAL

UNO - UNLESS NOTED OTHERWISE

VFD - VARIABLE FREQUENCY DRIVE
VOL - VOLUME

W/ - WITH
W/0 - WITHOUT
WP - WEATHERPROOF

ZVC - ZONE VALVE CABINET

INDEX OF DRAWINGS

Sheet Number	Description
E001	LEGEND, SYMBOLS & INDEX OF DRAWINGS
307ED101	FIRST FLOOR PLAN - REMOVALS
307ED102	SECOND FLOOR PLAN - REMOVALS
307ED103	ROOF PLAN - REMOVALS
310ED101	FIRST FLOOR PLAN - REMOVALS
310EL101	FIRST FLOOR PLAN - LIGHTING
310ET101	FIRST FLOOR PLAN - TECHNOLOGY
340ET101	FIRST FLOOR PLAN - TECHNOLOGY
341ET101	FIRST FLOOR PLAN - TECHNOLOGY
315ED101	LOWER LEVEL PLAN - REMOVALS
315ED102	SECOND FLOOR PLAN - REMOVALS
315EL102	SECOND FLOOR PLAN - LIGHTING
315EP101	FIRST FLOOR PLAN - POWER
315EP102	SECOND FLOOR PLAN - POWER
315ET101	FIRST FLOOR PLAN - LIGHNOLOGY
315ET102	SECOND FLOOR PLAN - TECHNOLOGY
330ED102	SECOND FLOOR PLAN - REMOVALS
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330EP102	SECOND FLOOR PLAN - POWER
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330ET107	SEVENTH FLOOR PLAN -TECHNOLOGY
330EL109	NINTH FLOOR PLAN - LIGHTING
ES001	ELECTRICAL SITE PLAN
ES002	TECHNOLOGY PARTIAL SITE PLAN
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E605	PANELBOARD SCHEDULES
E601	SINGLE LINE DIAGRAM
E602	LIGHTING DESCRIPTIONS
E603	LIGHTING DESCRIPTIONS
E604	PANELBOARD SCHEDULES
E701	TECHNOLOGY SYSTEM DETAILS
E702	SECURITY SYSTEM DETAILS
E703	AV SYSTEM DETAILS

1	35% Schematic Design	03.05.2015
2	65% Design Development	04.28.2015
3	95% Owner Review	08.14.2015
4	100% Construction Documents	11.04.2015
5	Bid Set Drawings	01.15.2016
Revisions		Date

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Drawing Title: LEGEND, SYMBOLS & INDEX OF DRAWINGS

Approved: Project Director

Project Title: RELOCATE PROSTHETICS AND PODIATRY CLINICS

Location: Dayton, Ohio

Date: 05.16.2016 | Checked: MSG | Drawn: SC

Project No. VA Project No. 552-15-502 JPA Project No. 14006.00

Building Number

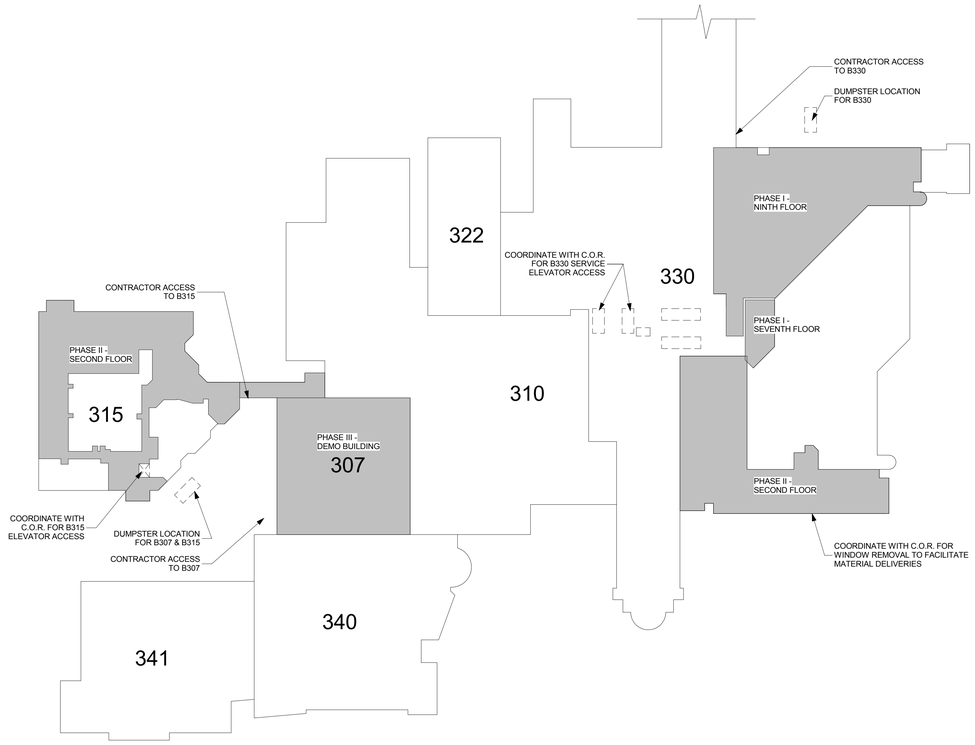
Drawing Number: E001

Dwg. of

Office of Construction and Facilities Management

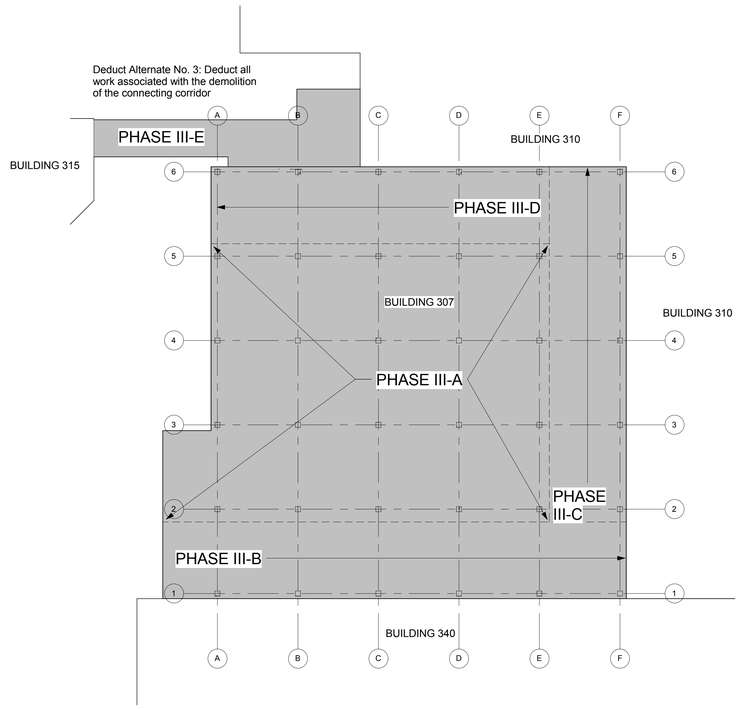
Department of Veterans Affairs

FULLY SPRINKLERED



2 PHASING PLAN

Scale: 1" = 50'-0"



1 BUILDING 307 DEMOLITION SUB-PHASE III PLAN

Scale: 1/16" = 1'-0"

GENERAL PHASING NOTES

A. For temporay partition locations see Demolition Plans. Temporary partitions are suggested locations.Coordinate final location in field with C.O.R.

B. Verify all conditions in the field prior to fabrication, erection and construction.

C. All asbestos containing material (ACM) must be abated per the direction of the C.O.R. and project specification 017419 and local state and federal regulations. Abatement if required is to be scheduled in appropriate sequence with demolition, new construction and project phasing.

D. Coordinate phase completion and start-up with requirements as set forth by the C.O.R. to maintain daily operations to near as normal as possible.

E. Coordinate location of job dumpster with the C.O.R. so as to disrupt daily operations as little as possible.

F. Coordinate access to all phases of construction, deliveries, and debris removal with the C.O.R. See General Requirements.

G. Temporary door locations and sizes are as required by the General Contractor. Doors will interfere with daily operations as little as possible. Confirm all locations with the C.O.R.

H. Existing HVAC, medical gases, sprinklers and water supply to be maintained throughout as required during each phase of construction.Coordinate phasing with Mechanical and Plumbing contractor. Support and protect all lines during each phase of construction. See MEP Drawings.

J. Provide and maintain negative air pressure at all construction. Coordinate with HVAC contractor. See HVAC plans for temporary venting requirements and duct locations.

K. Temporary partition to structural deck above. See A001 for temporary partition type.

L. Existing power must be maintained throughout as required during each phase of construction.Coordinate phasing with Electrical Contractor. Coordinate power turnover with requirements as dictated by the C.O.R. See Electrical Drawings.

M. Coordinate sequence construction with C.O.R. so that only one side of any corridor in use is obstructed at any one time.

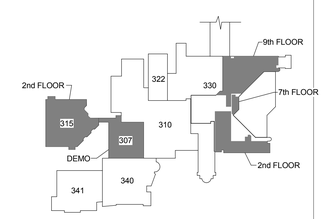
N. Coordinate all work involving the generation of excessive noise so as to occur during non-peak operating hours, 1000 to 1600 daily. Activities to occur during this time include, but are not limited to saw cutting, jack hammering, hammer drilling and core drilling. If there is any question as to whether an operation should occur during this time the Contractor will contact the C.O.R.

PHASING NOTES

Phase I -	7th Floor Building 330
Phase II -	2nd Floor Building 330 & 2nd Floor Building 315
Phase III -	Demo Building 307 & Connecting Corridor to Building 315

CONSTRUCTION ACTIVITIES & BUILDING ACCESS

1. BUILDING 330
   a. Second Floor – demolition between the hours of 6:00pm-6:00am.
   b. Spaces below Second Floor Prosthetics & Podiatry – weekends between the hours of Friday 6:00pm-Monday 6:00am.
   c. Seventh Floor – between the hours of 6:00am-6:00pm.
   d. Spaces below Seventh Floor Nursing (if work is required) – between the hours of 6:00pm-6:00am.
2. BUILDING 315
   a. Second Floor – all day or night.
   b. Corridor extension to connect B315 to B310/330 – evenings (6:00pm-6:00am) and/or weekends (Fri 6:00pm-Mon 6:00am).
   c. Spaces below Second Floor Research & Work Force Development – evenings (6:00pm-6:00am) and/or weekends (Fri 6:00pm-Mon 6:00am).
3. BUILDING 307
   a. Building Demolition – evenings (6:00pm-6:00am) and/or weekends (Fri 6:00pm-Mon 6:00am).
   b. Public Corridor to remain at southeast corner of B307 that connects B340 to B310 – evenings (6:00pm-6:00am) and/or weekends (Fri 6:00pm-Mon 6:00am).



KEY PLAN

Scale: N.T.S.

Revisions		Date
1	95% Owner Review	08.14.2015
2	100% Construction Documents	11.04.2015
3	Bid Set Drawings	05.16.2016

CONSULTANTS:

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Drawing Title: PHASING PLANS

Approved: Project Director

Project Title: RELOCATE PROSTHETICS AND PODIATRY CLINICS

Location: Dayton, Ohio

Date: 05.16.2016 | Checked: TH | Drawn: NS

Project No. VA Project No. 552-15-502 JPA Project No. 14006.00

Building Number: 307

Drawing Number: 307G100

Dwg. of XX

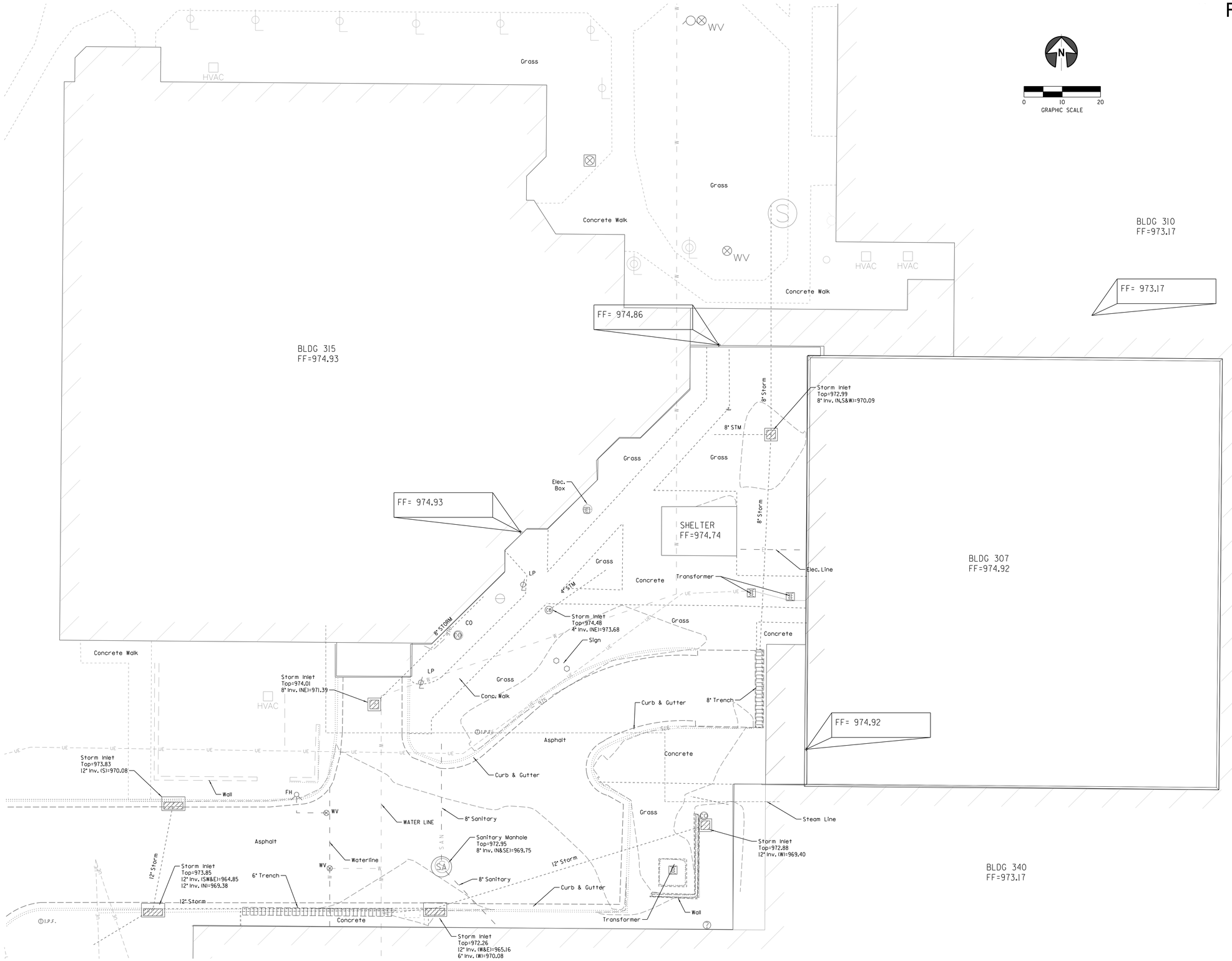
Office of Construction and Facilities Management

Department of Veterans Affairs

FULLY SPRINKLED

NOTE:
THE LOCATIONS OF UNDERGROUND FACILITIES SHOWN ON THIS PLAN ARE BASED ON FIELD SURVEYS AND LOCAL UTILITY COMPANY RECORDS. IT SHALL BE THE CONTRACTOR'S FULL RESPONSIBILITY TO CONTACT THE VARIOUS UTILITY COMPANIES TO LOCATE THEIR FACILITIES PRIOR TO STARTING CONSTRUCTION. NO ADDITIONAL COMPENSATION SHALL BE PAID TO THE CONTRACTOR FOR DAMAGE AND REPAIR TO THESE FACILITIES CAUSED BY HIS WORK FORCE.

•CONTRACTOR TO PROVIDE PRIVATE UNDERGROUND UTILITY LOCATING SERVICE TO LOCATE ALL UNDEDRGROUND UTILITIES



Revisions		Date
1	35% Schematic Design	03.05.2015
2	65% Design Development	04.28.2015
3	95% Owner Review	08.14.2015
4	100% Construction Documents	11.04.2015
5	Bid Set Drawings	05.16.2016

CONSULTANTS:

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Drawing Title: Existing Conditions

Approved: Project Director

Project Title: RELOCATE PROSTHETICS AND PODIATRY CLINICS

Location: Dayton, Ohio

Date: 05.16.2016 | Checked: PSB | Drawn: KLE

Project No. VA Project No. 552-15-502 JPA Project No. 14006.00

Building Number: 307

Drawing Number: 307C100

Dwg. of

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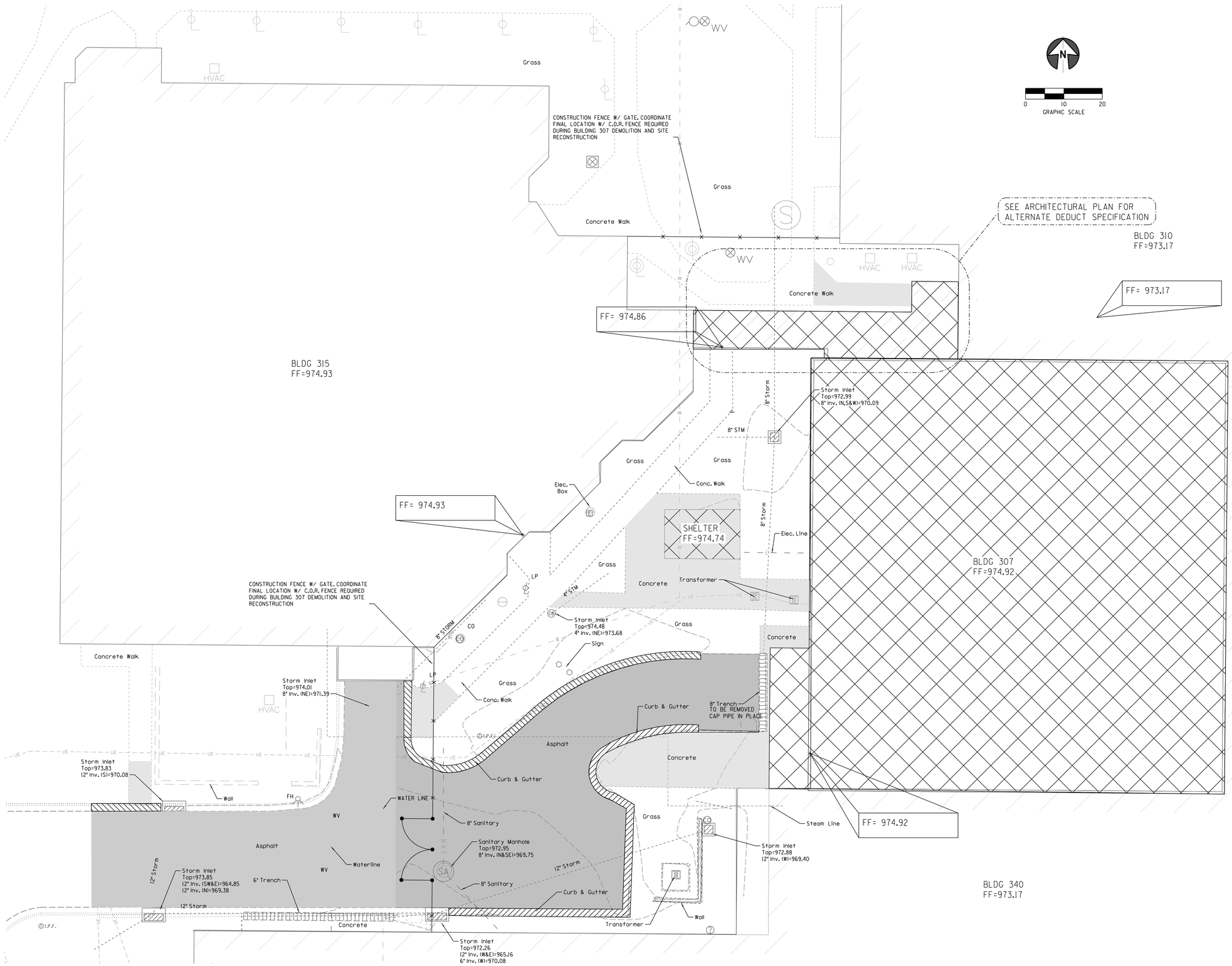
Department of Veterans Affairs



FULLY SPRINKLED

- CONCRETE WALK TO BE REMOVED
- ASPHALT TO BE REMOVED
- 2" ASPHALT OVERLAY (MILL & OVERLAY)
- BUILDING TO BE REMOVED
- CURB TO BE REMOVED

NOTE:
THE LOCATIONS OF UNDERGROUND FACILITIES SHOWN ON THIS PLAN ARE BASED ON FIELD SURVEYS AND LOCAL UTILITY COMPANY RECORDS. IT SHALL BE THE CONTRACTOR'S FULL RESPONSIBILITY TO CONTACT THE VARIOUS UTILITY COMPANIES TO LOCATE THEIR FACILITIES PRIOR TO STARTING CONSTRUCTION. NO ADDITIONAL COMPENSATION SHALL BE PAID TO THE CONTRACTOR FOR DAMAGE AND REPAIR TO THESE FACILITIES CAUSED BY HIS WORK FORCE.

•CONTRACTOR TO PROVIDE PRIVATE UNDERGROUND UTILITY LOCATING SERVICE TO LOCATE ALL UNDEDRGROUND UTILITIES

GRAPHIC SCALE 0 10 20

Revisions		Date
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3	95% Owner Review	08.14.2015
4	100% Construction Documents	11.04.2015
5	Bid Set Drawings	05.16.2016

CONSULTANTS:

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Drawing Title: Demolition Plan

Approved: Project Director

Project Title: RELOCATE PROSTHETICS AND PODIATRY CLINICS

Location: Dayton, Ohio

Date: 05.16.2016 | Checked: PSB | Drawn: KLE

Project No. VA Project No. 552-15-502 JPA Project No. 14006.00

Building Number: 307

Drawing Number: 307C200

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Office of Construction and Facilities Management

Department of Veterans Affairs

FULLY SPRINKLED

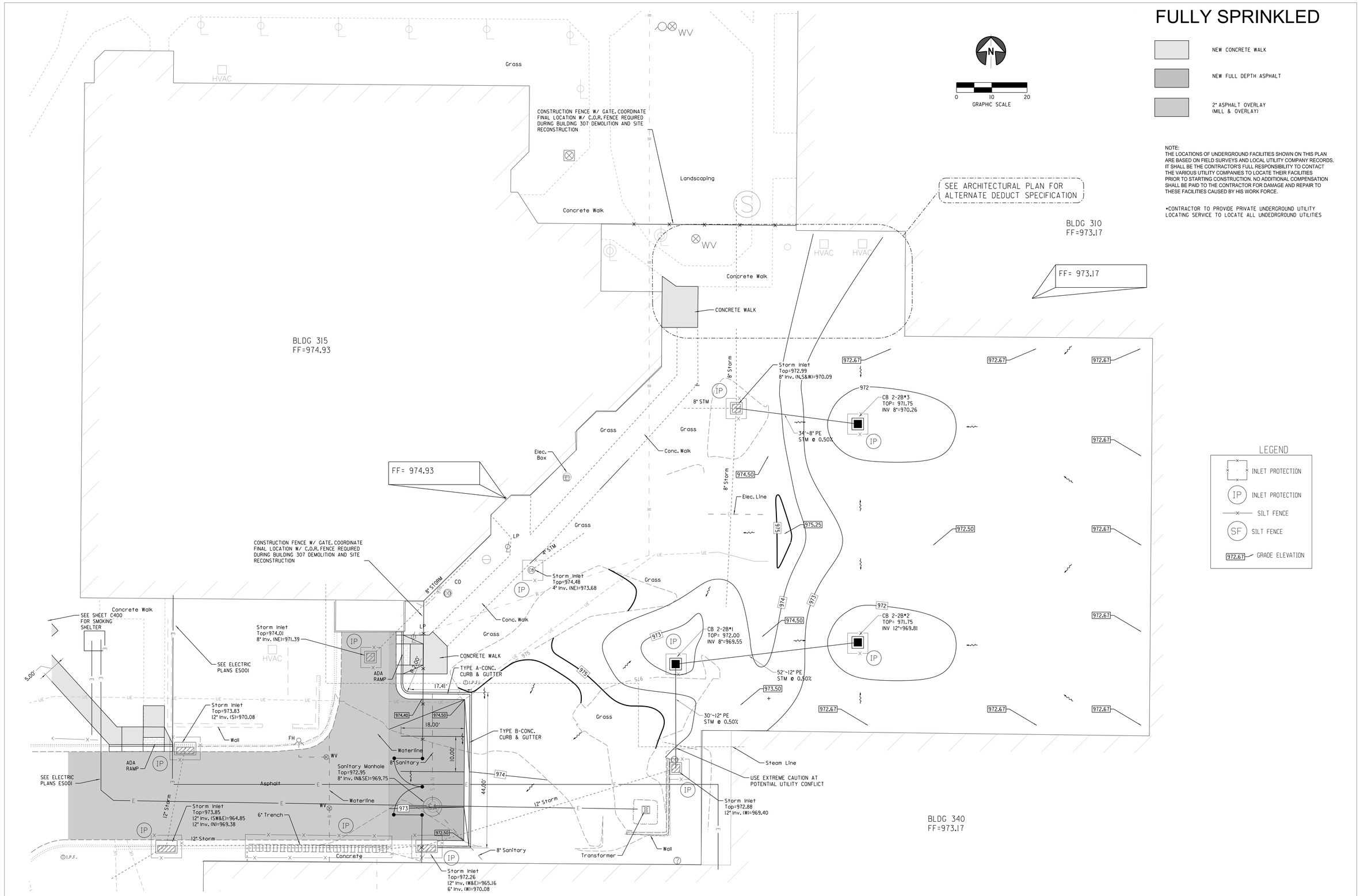
NEW CONCRETE WALK

NEW FULL DEPTH ASPHALT

2" ASPHALT OVERLAY (MILL & OVERLAY)

NOTE:
THE LOCATIONS OF UNDERGROUND FACILITIES SHOWN ON THIS PLAN ARE BASED ON FIELD SURVEYS AND LOCAL UTILITY COMPANY RECORDS. IT SHALL BE THE CONTRACTOR'S FULL RESPONSIBILITY TO CONTACT THE VARIOUS UTILITY COMPANIES TO LOCATE THEIR FACILITIES PRIOR TO STARTING CONSTRUCTION. NO ADDITIONAL COMPENSATION SHALL BE PAID TO THE CONTRACTOR FOR DAMAGE AND REPAIR TO THESE FACILITIES CAUSED BY HIS WORK FORCE.

•CONTRACTOR TO PROVIDE PRIVATE UNDERGROUND UTILITY LOCATING SERVICE TO LOCATE ALL UNDERGROUND UTILITIES



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4	100% Construction Documents	11.04.2015
5	Bid Set Drawings	05.16.2016
Revisions		Date

CONSULTANTS:

STATE OF OHIO PROFESSIONAL ENGINEER

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Drawing Title: Site Plan

Approved: Project Director

Project Title: RELOCATE PROSTHETICS AND PODIATRY CLINICS

Location: Dayton, Ohio

Date: 05.16.2016 | Checked: PSB | Drawn: KLE

Project No. VA Project No. 552-15-502 JPA Project No. 14006.00

Building Number: 307

Drawing Number: 307C300

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Office of Construction and Facilities Management

Department of Veterans Affairs

FULLY SPRINKLED

NEW CONCRETE WALK

NEW FULL DEPTH ASPHALT

2" ASPHALT OVERLAY (MILL & OVERLAY)

RELOCATED SHELTER

GRAPHIC SCALE 0 10 20

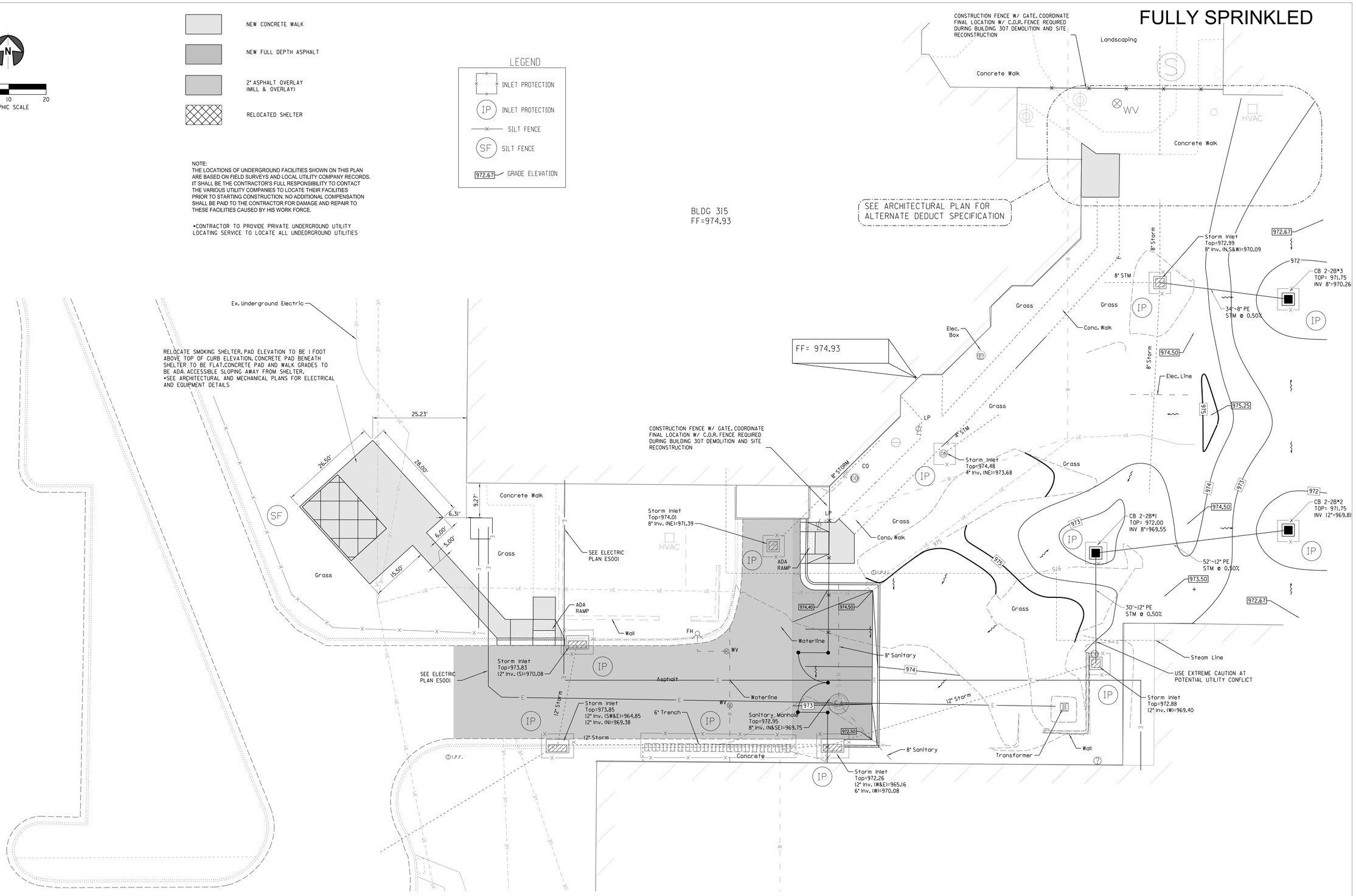
NOTE:
THE LOCATIONS OF UNDERGROUND FACILITIES SHOWN ON THIS PLAN ARE BASED ON FIELD SURVEYS AND LOCAL UTILITY COMPANY RECORDS. IT SHALL BE THE CONTRACTOR'S FULL RESPONSIBILITY TO CONTACT THE VARIOUS UTILITY COMPANIES TO LOCATE THEIR FACILITIES PRIOR TO STARTING CONSTRUCTION. NO ADDITIONAL COMPENSATION SHALL BE PAID TO THE CONTRACTOR FOR DAMAGE AND REPAIR TO THESE FACILITIES CAUSED BY HIS WORK FORCE.

•CONTRACTOR TO PROVIDE PRIVATE UNDERGROUND UTILITY LOCATING SERVICE TO LOCATE ALL UNDEDRGROUND UTILITIES

LEGEND

- INLET PROTECTION
- IP INLET PROTECTION
- SILT FENCE
- SF SILT FENCE
- 972.67 GRADE ELEVATION

BLDG 315
FF=974.93



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Drawing Title: Site Plan

Approved: Project Director

Project Title: RELOCATE PROSTHETICS AND PODIATRY CLINICS

Location: Dayton, Ohio

Date: 05.16.2016 | Checked: PSB | Drawn: KLE

Project No. VA Project No. 552-15-502 JPA Project No. 14006.00

Buildling Number: 307

Drawing Number: 307C400

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Office of Construction and Facilities Management

Department of Veterans Affairs

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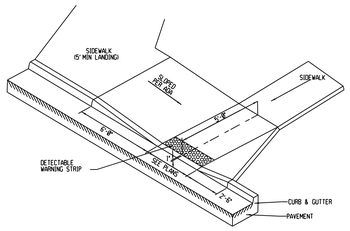
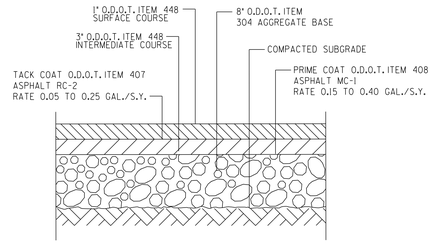


HANDICAP RAMP DETAIL

NOT TO SCALE

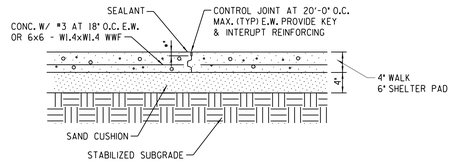
(ALL CROSS-SLOPES AND GRADES SHALL CONFORM TO ADA STANDARDS)



HEAVY-DUTY
PAVEMENT DETAIL

NOT TO SCALE

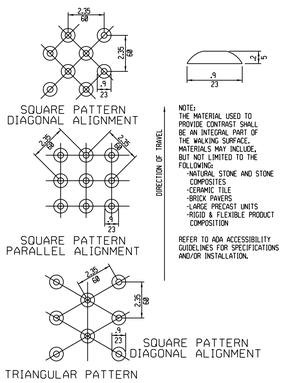
NOTE:
CONTRACTOR TO REVIEW SOILS REPORT FOR RECOMMENDED PAVEMENT SECTION AND BASE PRIOR TO CONSTRUCTION AND COORDINATE WITH ENGINEER.



CONCRETE WALK JOINT

NOT TO SCALE

• CONTRACTOR TO PROVIDE JOINT LAYOUT PLANS ON ALL CONCRETE FOR APPROVALS



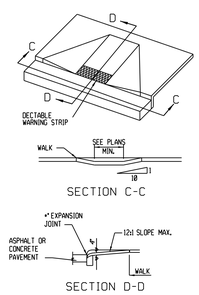
NOTE:
THE MATERIAL USED TO PROVIDE CONTRAST SHALL BE AN INTEGRAL PART OF THE WALKING SURFACE. MATERIALS MAY INCLUDE, BUT NOT LIMITED TO THE FOLLOWING:
-NATURAL STONE AND STONE COMPOSITES
-CERAMIC TILE
-BRICK PAVERS
-LARGE PRECAST UNITS
-RIGID & FLEXIBLE PRODUCT COMPOSITION

REFER TO ADA ACCESSIBILITY GUIDELINES FOR SPECIFICATIONS AND/OR INSTALLATION.

HANDICAP RAMP
SURFACE DETAIL

NOT TO SCALE

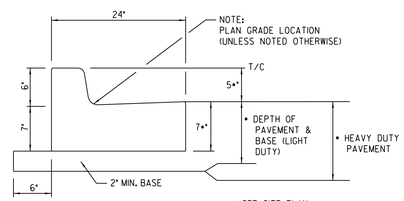
(DIMENSIONS AND PLACEMENT SHALL CONFORM TO ADA STANDARDS)



CURB RAMP

NOT TO SCALE

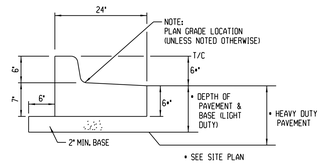
(ALL CROSS-SLOPES AND GRADES SHALL CONFORM TO ADA STANDARDS)
VERIFY RAMP DIMENSIONS WITH SITE DESIGN AND CONDITIONS



NOTES:
1. USE WITH ALL ASPHALT PAVEMENTS 2•" PREMOLDED EXPANSION JOINTS SHALL BE CONSTRUCTED EACH SIDE OF DRIVE APPROACH SECTIONS AND AT P.C. POINTS AT INTERSECTIONS, BUT THE MAXIMUM SPACING SHALL NOT EXCEED 100'.
2. WHEN USED WITH ASPHALT PAVEMENTS, TYPE "A & B" CURBING SHALL HAVE CONTRACTION JOINTS EVERY 10'.

TYPE "B" COMBINED CURB & GUTTER

NOT TO SCALE



TYPE "A" SUPER-ELEVATED
CURB SECTION

NOT TO SCALE

Revisions		Date
1	35% Schematic Design	03.05.2015
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4	100% Construction Documents	11.04.2015
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CONSULTANTS:

STATE OF OHIO
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jpa@johnpoe.com

Drawing Title: Details

Approved: Project Director

Project Title: RELOCATE PROSTHETICS AND PODIATRY CLINICS

Location: Dayton, Ohio

Date: 05.16.2016 | Checked: PSB | Drawn: KLE

Project No. | VA Project No. 552-15-502 | JPA Project No. 14006.00

Building Number: 307

Drawing Number: 307C500

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Office of Construction and Facilities Management

Department of Veterans Affairs

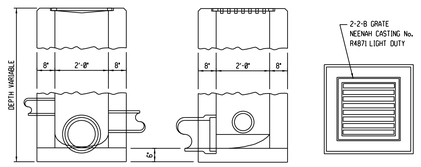
FULLY SPRINKLED

STORM WATER NOTES

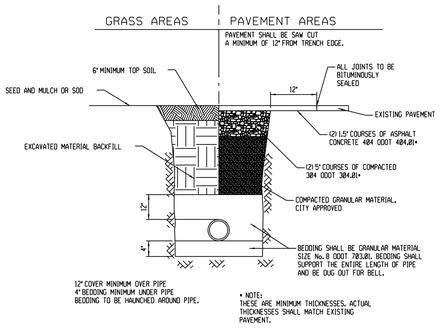
1. ANY CONTRACTOR OR SUBCONTRACTOR ON THE PROJECT THAT HAS ANY RESPONSIBILITY TO INSTALL, INSPECT, OR MAINTAIN EROSION, SEDIMENT OR POLLUTION CONTROL MEASURES WILL SIGN THE CONTRACTOR/SUBCONTRACTOR CERTIFICATION PRESENT IN THE STORM WATER POLLUTION PREVENTION PLAN (SWPP) MAINTAINED ON THE CONSTRUCTION SITE FOR THE DURATION OF PERMIT COVERAGE. THEY SHALL BE RESPONSIBLE FOR ADHERING TO THE SEDIMENT AND EROSION CONTROL METHODS DETAILED IN THE SWPP. IN ADDITION, THE CONTRACTOR IS RESPONSIBLE FOR REVIEWING THE NPDES PERMIT TO ENSURE COMPLIANCE WITH THE TERMS AND CONDITIONS OF THE PERMIT.

2. CONTRACTOR IS RESPONSIBLE FOR CONDUCTING INSPECTIONS AND MAINTENANCE OF ALL INSTALLED TEMPORARY EROSION CONTROL MEASURES EVERY 7 CALENDAR DAYS AND WITHIN 24 HOURS OF ANY STORM EVENT IN WHICH ONE HALF INCH OF RAIN FALLS WITHIN A 24 HOUR PERIOD. THESE INSPECTION FORMS MUST BE MAINTAINED IN THE SITE STORM WATER POLLUTION PREVENTION PLAN IN ACCORDANCE WITH THE OEPA NPDES CONSTRUCTION STORM WATER PERMIT.

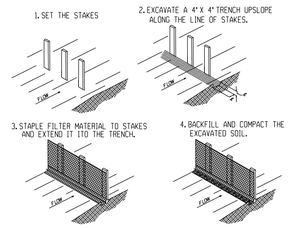
3. ALL AREAS OF DISTURBANCE ON THE SITE MUST BE SEEDED WITHIN SEVEN DAYS OF REACHING FINAL GRADE IN THAT AREA. ANY EXCESS SOIL AREAS (SOIL PILES) MUST ALSO BE STABILIZED WITHIN SEVEN DAYS OF THE LAST CONSTRUCTION ACTIVITIES WITHIN THE AREA. THESE EXPOSED SOILS SHOULD BE SEEDED WITH ODOT CLASS I SEED AND MULCHED ACCORDING TO ODOT ITEM 659.



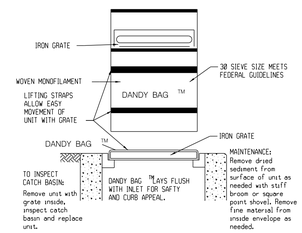
2-2B CATCH BASIN
NOT TO SCALE (UNPAVED AREAS ONLY)



TRENCH DETAIL
NOT TO SCALE



(SF) CONSTRUCTION OF A FILTER BARRIER (SILT FENCE)
NOT TO SCALE



DANDY BAG DROP
(IP) INLET SEDIMENT FILTER
NOT TO SCALE

TO BE USED ON ALL STRUCTURES AFTER INSTALLATION OF STORM SEWER AND PRIOR TO PAVING OPERATIONS.

Revisions		Date
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CONSULTANTS:

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Drawing Title: Details

Approved: Project Director

Project Title: RELOCATE PROSTHETICS AND PODIATRY CLINICS

Location: Dayton, Ohio

Date: 05.16.2016 | Checked: PSB | Drawn: KLE

Project No.
VA Project No. 552-15-502
JPA Project No. 14006.00

Building Number: 307

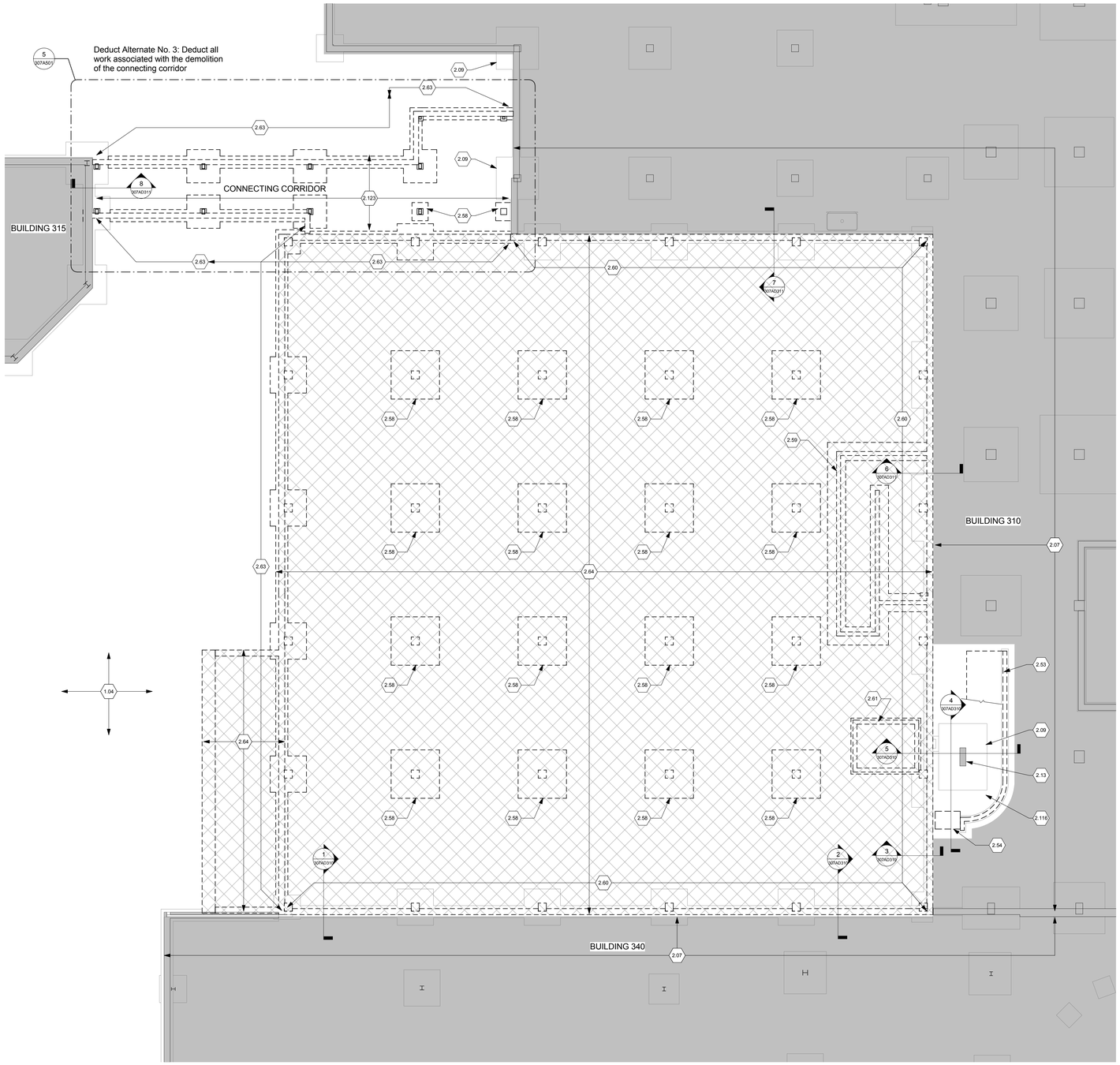
Drawing Number: 307C600

Dwg. of

Office of Construction and Facilities Management

Department of Veterans Affairs

FULLY SPRINKLERED



GENERAL DEMOLITION NOTES

A. Building 307 is to be removed in its entirety, except where noted otherwise. See Building 307 Demolition Phasing Plan for sequence of demolition and installation of new exterior wall materials at perimeter of buildings to remain. Means and methods used in the demolition of Building 307 are the sole responsibility of the contractor.

B. See original Building 307 construction drawings (Sheets 1 of 1 through E3 of 3) for additional information regarding building to be demolished. These drawings are included to assist contractor, but may not accurately represent current existing conditions. Building has been remodeled since original construction and interior partitions, finishes, materials, etc. may vary from original construction drawings. See demolition drawings for current configuration of interior partitions.

C. See Civil Drawings for requirements for installation of compacted backfill at footing/foundation removal and for final grading and site improvements.

D. See Hazardous Materials Abatement Specifications for requirements for removal of hazardous materials prior to demolition.

E. See Plumbing, Mechanical, Electrical and Fire Protection Drawings for requirements for relocation/removal/capping of equipment, utilities and services associated with the demolition of Building 307.

F. See Structural Drawings for requirements for modifications of existing footing to remain and be used in support of new exterior walls at buildings to remain.

G. It is the intent of this project that the 'exterior' walls of the existing buildings to remain along the perimeter of Building 307 be dried in or otherwise made weather tight as Building 307 is demolished. See Demolition Phasing Plan.

H. Salvage removed ceiling tiles for use in patching and repairing existing ceilings where new walls occur.

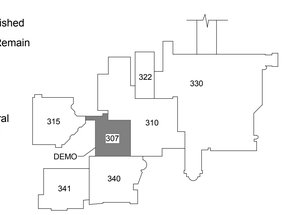
I. It is the intent of this project that the temporary partitions in Building 310 be erected just prior to demolition and remove as soon as the installation of the new exterior wall and interior finishes are complete. Coordinate with COR.

DEMOLITION NOTES

1.04	See Civil and P.M.E. & F.P. Drawings for site work.
2.07	Existing to remain, unless noted otherwise. Protect in place during demolition and new work.
2.09	Existing footing to remain. Protect in place during demolition and new work.
2.13	Existing foundation wall to remain.
2.53	Remove existing cast in place concrete ramp and partial height concrete wall to below floor slab. Footing may remain.
2.54	Remove existing cast-in-place concrete stairs and portion of landing.
2.58	Remove existing interior column and column footing.
2.59	Remove existing ramp foundation wall and footing.
2.60	Remove existing foundation wall and column. Footings to remain.
2.61	Remove existing elevator pit wall and footing.
2.62	Saw-cut and remove portion of existing foundation wall to 6" below Building 310 first floor slab. Wall and column footings to remain.
2.63	Remove existing foundation wall, wall footings columns, and column footings.
2.64	Remove Building 307 in its entirety including foundations, slab, walls, floors, ceilings, stairs, ramps, doors, windows, fixtures, loading dock, and all P.M.E. & F.P. systems unless noted otherwise.
2.105	Remove existing smoking shelter slab - See Civil Drawings.
2.116	Remove existing fill under ramp to below floor slab.
2.123	Remove Connecting Corridor in its entirety including foundations, slab, walls, floors, ceilings, doors, windows, fixtures, and all P.M.E. & F.P. systems unless noted otherwise.

LEGEND

- Construction to be Demolished
- Existing Construction to Remain
- New Construction
- Temporary Partition
- Area of limited Architectural work. See PME Drawings for additional information.
- Extents of B307 to be demolished.
- New work this area.



KEY PLAN

Scale: N.T.S.

BUILDING 307
FOUNDATION PLAN - DEMOLITION

N
PROJECT

Scale: 1/8" = 1'-0"

Revisions		Date
1	65% Design Development	04.28.2015
2	95% Owner Review	08.14.2015
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CONSULTANTS:

STATE OF OHIO
JOHN A. POE 6549
REGISTERED ARCHITECT

ARCHITECT/ENGINEERS:

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Drawing Title: FOUNDATION DEMOLITION

Approved: Project Director

Project Title: RELOCATE PROSTHETICS AND PODIATRY CLINICS

Location: Dayton, Ohio

Date: 05.16.2016 | Checked: TH | Drawn: SD

Project No. VA Project No. 552-15-502 JPA Project No. 14006.00

Building Number: 307

Drawing Number: 307AD100

Dwg. 307 of XX

Office of Construction and Facilities Management

Department of Veterans Affairs

FULLY SPRINKLERED

BUILDING 307
FIRST FLOOR PLAN - DEMOLITION

N
PROJECT

Scale: 1/8" = 1'-0"

Equipment Schedule - Existing					
Tag	Description	Type	Model	Manufacturer	Comments
1	34 x 34 x 72	Sternvent Dust Collector		Sternvent Company	dust collection
2	30 x 44 x 76	Lateda Shoe Machine	5200	Lateda	dust collection
3	31 x 37 x 76	Band Saw	JWBS-20-1	Jet	
4	27 x 32 x 40	Trautman Belt/Disc Sander		Dayton	
5	48 x 48 x 70	Trautman Carver		Trautmans	dust collection, bolt down.
6	48 x 31 x 48	Trautman Disc Sander		Trautman	dust collection
7	14 x 30 x 65	Drill Press	JDP-17MF	Jet	Bolt down.
8	24 x 20 x 66	Fire Cabinet			
9	27 x 18 x 47	Tool Box			
10	48 x 20 x 31	Sewing Machine			
11	48 x 20 x 50	Sewing Macine Patcher		Adler	
12	60 x 27 x 65	Trinco Sand Blaster	36/BP	Trinity Tool Company	dust collection
13	86 x 36 x 91	Omega Carver		Omega Carver	
14	59 x 28 x 33	Work Bench for Adjustments			
15	60 x 30 x 34	Work Bench Orthotics			
16	60 x 32 x 40	Work Bench Prosthetic			
17	60 x 28 x 33	Work Bench Glue/Vac			
18	36 x 26 x 90	The Table			Bolt down.
19	19 x 27 x 72	Shoe Press			
20	18 x 14 x 70	Auto Nailer		Auto-Soler	
21	11 x 22 x 17	Lever Apparatus			
22	32 x 26 x 85	Provel Thermoform			
23	36 x 44 x 66	Storage Cabinet			
24	48 x 30 x 60	Shelving Rack			
25	54 x 59 x 90	P.D.Q. Oven			
26	19 x 18 x 41	Filter		Supreme	
27	60 x 24 x 34	StainlessSteel Rolling Table			
28	10x 16 x 24	Chop Saw		Landis Machine Company	
29	44 x 24 x 67	Compressor			Bolt down.
30	41 x 37 x 49	Vacuum Pump & Tank			
31	17 x 17 x 48	Bench Grinder		Craftsman	
32	48 x 22 x 84	Glass Door Cabinet1			
33	48 x 22 x 84	Glass Door Cabinet2			

Note: The General Trades Contract shall move/relocate existing equipment from current to new location(s) as indicated in the Contract Documents.

Before commencing activities the General Trades Contract shall:

- Verify field measurements and conditions to anticipate any hindrance to relocation of existing equipment.
- Coordinate with Owner and plumbing, mechanical, and electrical (PME) contractors to ensure new location, including new PME sevices, is properly prepared to receive relocated equipment.
- Coordinate removal of all PMEservice (mechanical, plumbing, electrical, etc.) connections with PME trades in a manner consistent with industry standards, manufacturer's written instructions, or good engineering practice, and that equipment is properly prepared for relocation.
- Carefully inspect all existing equipment prior to moving/relocating and note any defective condition(s) observed. Defective conditions shall be reported to the C.O.R. and resolved prior to relocation of existing equipment.
- While moving/relocating the General Trades Contract shall follow all VA, Federal, State, and Local safety standards.
- Following relocation of equipment to new location as indicated in the Contract Documents, inspect equipment for damage resulting from the move. Note any defective condition(s) observed and report findings to C.O.R. for resolution prior to final service connections by PME trades."

BID ITEM 1, Base Bid: All work specified or shown in the bid documents. Work includes all site work, demolition, general construction, kitchen equipment, plumbing, mechanical, electrical work and fire protection work, necessary removal of existing construction and certain other items and construction of new work shown. Contractor shall have 570 days from Notice to Proceed to complete Work associated with Item I, Base Bid.

BID ITEM 2 (DEDUCT ALTERNATE NO.1): Contractor shall perform all work as described in BID ITEM 1 (BASE BID) except deduct all work associated with installation new ceiling and floor finish materials and lighting in corridors C-2-2, C-2-3, C-2-4, C-2-5 and C-2-6 in Building 315 as indicated in the contract documents.

BID ITEM 3 (DEDUCT ALTERNATE NO. 2): Contractor shall perform all work as described in BID ITEM 1 (BASE BID) except deduct all work associated with BID ITEM 2 and deduct all work associated with Restrooms 210 and 228 in Building 315 as indicated in the contract documents.

BID ITEM 4 (DEDUCT ALTERNATE NO. 3): Contractor shall perform all work as described in BID ITEM 1 (BASE BID) except deduct all work associated with BID ITEM 2, BID ITEM 3 and deduct all work associated with the demolition of the connecting corridor as indicated in the contract documents.

BID ITEM 5 (DEDUCT ALTERNATE NO. 4): Contractor shall perform all work as described in BID ITEM 1 (BASE BID) except deduct all work associated with BID ITEM 2, BID ITEM 3, BID ITEM 4 and deduct all work associated with the ninth floor of Building 330 as indicated in the contract documents.

BID ITEM 6 (DEDUCT ALTERNATE NO. 5): Contractor shall perform all work as described in BID ITEM 1 (BASE BID) except deduct all work associated with BID ITEM 2, BID ITEM 3, BID ITEM 4, BID ITEM 5 and deduct all work associated with the replacement of panel interiors, circuit breakers and tubs (panels A, B, GA, AA, 1A, 1B, 1C, EM, EM1 And EM2) as indicated in the contract documents.

GENERAL DEMOLITION NOTES

A. Building 307 is to be removed in its entirety, except where noted otherwise. See Building 307 Demolition Phasing Plan for sequence of demolition and installation of new exterior wall materials at perimeter of buildings to remain. Means and methods used in the demolition of Building 307 are the sole responsibility of the contractor.

B. See original Building 307 construction drawings (Sheets 1 of 1 through E3 of 3) for additional information regarding building to be demolished. These drawings are included to assist contractor, but may not accurately represent current existing conditions. Building has been remodeled since original construction and interior partitions, finishes, materials, etc. may vary from original construction drawings. See demolition drawings for current configuration of interior partitions.

C. See Civil Drawings for requirements for installation of compacted backfill at footing/foundation removal and for final grading and site improvements.

D. See Hazardous Materials Abatement Specifications for requirements for removal of hazardous materials prior to demolition.

E. See Plumbing, Mechanical, Electrical and Fire Protection Drawings for requirements for relocation/removal/capping of equipment, utilities and services associated with the demolition of Building 307.

F. See Structural Drawings for requirements for modifications of existing footing to remain and be used in support of new exterior walls at buildings to remain.

G. It is the intent of this project that the 'exterior' walls of the existing buildings to remain along the perimeter of Building 307 be dried in or otherwise made weather tight as Building 307 is demolished. See Demolition Phasing Plan.

H. Salvage removed ceiling tiles for use in patching and repairing existing ceilings where new walls occur.

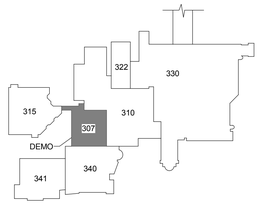
I. It is the intent of this project that the temporary partitions in Building 310 be erected just prior to demolition and remove as soon as the installation of the new exterior wall and interior finishes are complete. Coordinate with COR.

⬡ DEMOLITION NOTES

1.04 See Civil and P.M.E. & F.P. Drawings for site work.
1.07 Stair SWA-1 shall be closed during demolition of B307 and XXXX in B310. Contractor to furnish signage at Second Floor directing occupants to other stairs.
1.11 See Phasing Plans for work this area.
1.18 Approximate location of temporary partition. Coordinate with above ceiling MEP.
2.07 Existing to remain, unless noted otherwise. Protect in place during demolition and new work.
2.14 Existing interior stud framed wall at Building 340 to remain.
2.23 Contractor to relocate existing equipment. All equipment to be moved over one weekend (Fri 6:00pm-Mon 6:00am). Coordinate with C.O.R.
2.28 Remove and salvage existing ADA door actuator post for reinstallation.
2.29 Remove and salvage existing benches for reinstallation.
2.30 Remove and salvage existing tables and chairs for reinstallation.
2.36 Separate construction to remain from construction to be demolished prior to demolition of Building 307.
2.40 Existing sidewalk to remain. See Civil Drawings.
2.51 Remove existing door, frame and associated hardware.
2.53 Remove existing cast in place concrete ramp and partial height concrete wall to below floor slab. Footing may remain.
2.54 Remove existing cast-in-place concrete stairs and portion of landing.
2.56 Remove existing smoking shelter.
2.64 Remove Building 307 in its entirety including foundations, slab, walls, floors, ceilings, stairs, ramps, doors, windows, fixtures, loading dock, and all P.M.E. & F.P. systems unless noted otherwise.
2.103 Remove existing concrete slab this area.
2.105 Remove existing smoking shelter slab - See Civil Drawings.
2.117 Existing gypsum board / metal stud partition to remain along perimeter of Building 307. Verify separation of all construction to remain from perimeter of B307 such that demolition of B307 does not affect adjacent construction to remain. Typical at all similar conditions. See P.M.E. & F.P. drawings for additional information.
2.122 Remove all sealants, flashing, roofing materials, etc. from face brick.
2.123 Remove Connecting Corridor in its entirety including foundations, slab, walls, floors, ceilings, doors, windows, fixtures, and all P.M.E. & F.P. systems unless noted otherwise.
6.08 As demolition of Building 307 progresses, install 3/4" plywood sheathing on outside face of stud between slabs and cover with air and moisture barrier. Tape and seal all joints and penetrations. At end of each workday, all exposed construction shall be covered.

LEGEND

- Construction to be Demolished
- Existing Construction to Remain
- New Construction
- Temporary Partition
- Area of limited Architectural work. See PME Drawings for additional information.
- Extents of B307 to be demolished.
- New work this area.



KEY PLAN

Scale: N.T.S.

1	35% Schematic Design	03.05.2015
2	65% Design Development	04.28.2015
3	95% Owner Review	08.14.2015
4	100% Construction Documents	11.04.2015
5	Bid Set Drawings	05.16.2016
Revisions		Date

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Drawing Title: FIRST FLOOR DEMOLITION

Approved: Project Director

Project Title: RELOCATE PROSTHETICS AND PODIATRY CLINICS

Location: Dayton, Ohio

Date: 05.16.2016 | Checked: TH | Drawn: SD

Project No.: VA Project No. 552-15-502; JPA Project No. 14006.00

Building Number: 307

Drawing Number: 307AD101

Dwg. 307 of XX

Office of Construction and Facilities Management

Department of Veterans Affairs

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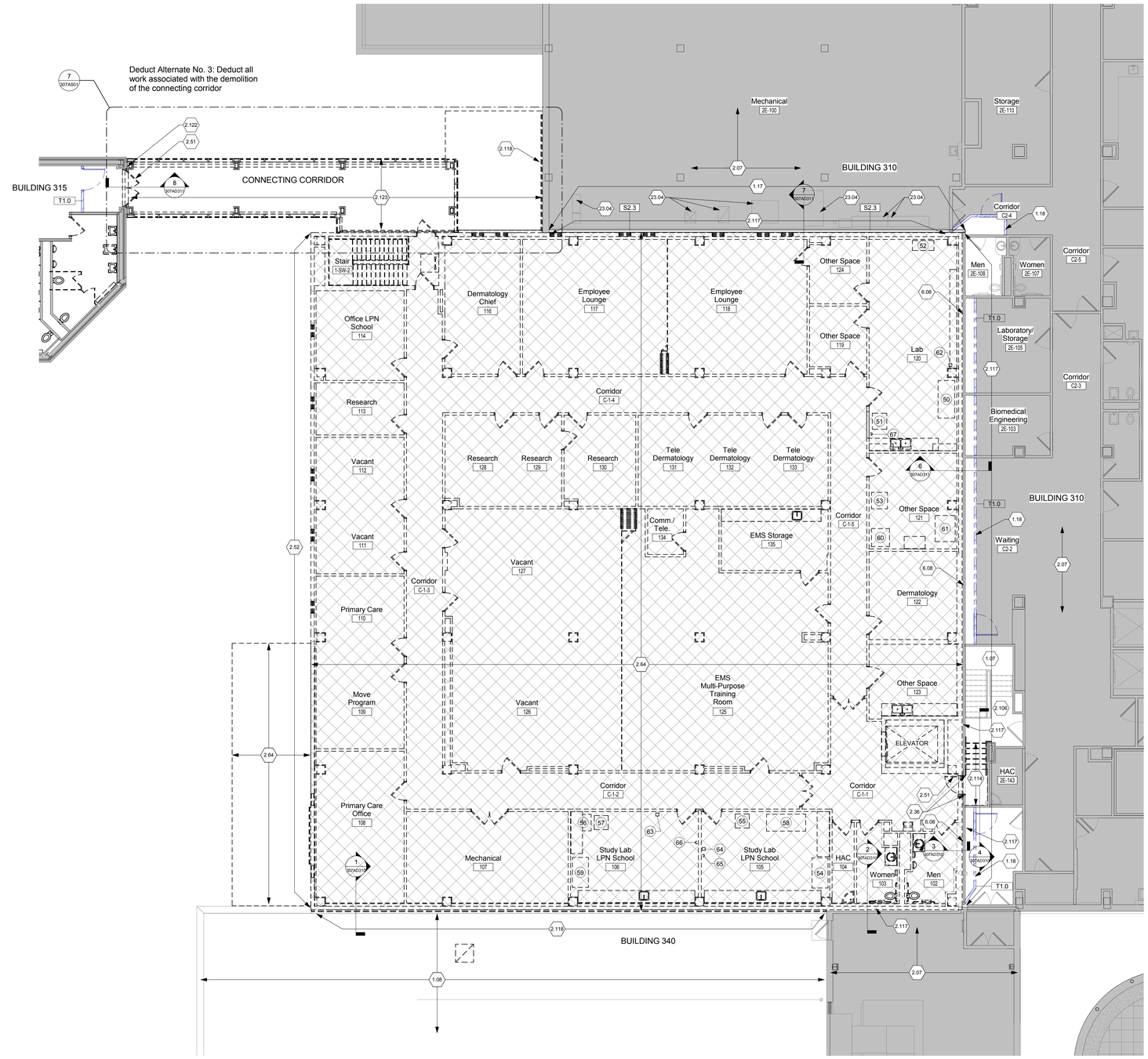


LEGEND

- Construction to be Demolished
- Existing Construction to Remain
- New Construction
- Temporary Partition
- Area of limited Architectural work. See PME Drawings for additional information.
- Extents of B307 to be demolished.
- New work this area.

GENERAL DEMOLITION NOTES

A. Building 307 is to be removed in its entirety, except where noted otherwise. See Building 307 Demolition Phasing Plan for sequence of demolition and installation of new exterior wall materials at perimeter of buildings to remain. Means and methods used in the demolition of Building 307 are the sole responsibility of the contractor.

B. See original Building 307 construction drawings (Sheets 1 of 1 through E3 of 3) for additional information regarding building to be demolished. These drawings are included to assist contractor, but may not accurately represent current existing conditions. Building has been remodeled since original construction and interior partitions, finishes, materials, etc. may vary from original construction drawings. See demolition drawings for current configuration of interior partitions.

C. See Civil Drawings for requirements for installation of compacted backfill at footing/foundation removal and for final grading and site improvements.

D. See Hazardous Materials Abatement Specifications for requirements for removal of hazardous materials prior to demolition.

E. See Plumbing, Mechanical, Electrical and Fire Protection Drawings for requirements for relocation/removal/capping of equipment, utilities and services associated with the demolition of Building 307.

F. See Structural Drawings for requirements for modifications of existing footing to remain and be used in support of new exterior walls at buildings to remain.

G. It is the intent of this project that the 'exterior' walls of the existing buildings to remain along the perimeter of Building 307 be dried in or otherwise made weather tight as Building 307 is demolished. See Demolition Phasing Plan.

H. Salvage removed ceiling tiles for use in patching and repairing existing ceilings where new walls occur.

I. It is the intent of this project that the temporary partitions in Building 310 be erected just prior to demolition and remove as soon as the installation of the new exterior wall and interior finishes are complete. Coordinate with COR.

⬡ DEMOLITION NOTES

1.07 Stair SWA-1 shall be closed during demolition of B307 and XXXX in B310. Contractor to furnish signage at Second Floor directing occupants to other stairs.

1.08 Roof below. Protect from damage throughout demolition and new construction.

1.17 New wall to be installed prior to demolition of Building 307. See P.M.E. & F.P. Drawings for additional information.

1.18 Approximate location of temporary partition. Coordinate with above ceiling MEP.

2.07 Existing to remain, unless noted otherwise. Protect in place during demolition and new work.

2.36 Separate construction to remain from construction to be demolished prior to demolition of Building 307.

2.51 Remove existing door, frame and associated hardware.

2.52 Remove existing precast concrete panels.

2.64 Remove Building 307 in its entirety including foundations, slab, walls, floors, ceilings, stairs, ramps, doors, windows, fixtures, loading dock, and all P.M.E. & F.P. systems unless noted otherwise.

2.106 Remove existing flooring and rubber nosing at treads and risers. Prepare treads and risers for new scheduled finish this area.

2.114 Remove portion of existing steel and concrete pan stair and landing.

2.117 Existing gypsum board / metal stud partition to remain along perimeter of Building 307. Verify separation of all construction to remain from perimeter of B307 such that demolition of B307 does not affect adjacent construction to remain. Typical at all similar conditions. See P.M.E. & F.P. drawings for additional information.

2.118 Remove existing flashing between Building 307 and Building 310 prior to demolition of B307.

2.122 Remove all sealants, flashing, roofing materials, etc. from face brick.

2.123 Remove Connecting Corridor in its entirety including foundations, slab, walls, floors, ceilings, doors, windows, fixtures, and all P.M.E. & F.P. systems unless noted otherwise.

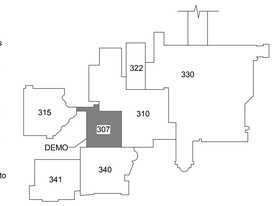
6.08 As demolition of Building 307 progresses, install 3/4" plywood sheathing on outside face of stud between slabs and cover with air and moisture barrier. Tape and seal all joints and penetrations. At end of each workday, all exposed construction shall be covered.

23.04 See P.M.E. Drawings for description of equipment to remain.

Equipment Schedule - B315 EXISTING					
Mark	Description	Type	Model	Manufacturer	Comments
50	75x33x96	Research - Biologic Hood	EE 3459	Lab Guard NuAire Inc	
51	29x32x60	Research - Refrigerator	253.6150241	Kenmore	
52	43x20x66	Research - Chemical Flame Storage Cabinet			
53	32x33x70	Research - Negative 20 Freezer	FV21M2WLFB	Gibson Appliance Inc.	
54	60x32x53	Research - Chemical Hood	PL-183	Hamilton Industry	
55	28x28x62	Research - Refrigerator 3	CTF14CRC	GE Hotpoint	
56	32x33x70	Research - Negative 20 Freezer	FV21M2WLFB	Gibson Appliance Inc.	
57	28x28x64	Research - Refrigerator 2	NU407624D	Nu Aire	
58	78x34x96	Research - Biologic Hood 2	3551	Lab-Line	
59	60x32x53	Research - Chemical Hood	PL-183	Hamilton Industry	
60	36x41x79	Research - Negative 70 Freezer	8517	Forma Scientific	
61	28x28x64	Research - Glass Refrigerator	849140	Hotpack	
62		Research - Fire Blanket			
63		Research - Fire Blanket			
64		Research - Fire Blanket			
65		Bracket Mounted Fire Extinguisher			
66		Bracket Mounted Fire Extinguisher			
67		Bracket Mounted Fire Extinguisher			

Note:
The General Trades Contract shall move/relocate existing equipment from current to new location(s) as indicated in the Contract Documents.

Before commencing activities the General Trades Contract shall:
- Verify field measurements and conditions to anticipate any hindrance to relocation of existing equipment.
- Coordinate with Owner and plumbing, mechanical, and electrical (PME) contractors to ensure new location, including new PME sevices, is properly prepared to receive relocated equipment.
- Coordinate removal of all PMEservice (mechanical, plumbing, electrical, etc.) connections with PME trades in a manner consistent with industry standards, manufacturer's written instructions, or good engineering practice, and that equipment is properly prepared for relocation.
- Carefully inspect all existing equipment prior to moving/relocating and note any defective condition(s) observed. Defective conditions shall be reported to the C.O.R. and resolved prior to relocation of existing equipment.
- While moving/relocating the General Trades Contract shall follow all VA, Federal, State, and Local safety standards.
- Following relocation of equipment to new location as indicated in the Contract Documents, inspect equipment for damage resulting from the move. Note any defective condition(s) observed and report findings to C.O.R. for resolution prior to final service connections by PME trades."



KEY PLAN

Scale: N.T.S.

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PROJECT

BUILDING 307
SECOND FLOOR PLAN - DEMOLITION

Scale: 1/8" = 1'-0"

Revisions		Date
1	Bid Set Drawings	05.16.2016

CONSULTANTS:

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Drawing Title: SECOND FLOOR DEMOLITION

Approved: Project Director

Project Title: RELOCATE PROSTHETICS AND PODIATRY CLINICS

Location: Dayton, Ohio

Date: 05.16.2016 | Checked: TH | Drawn: SD

Project No. VA Project No. 552-15-502 JPA Project No. 14006.00

Building Number: 307

Drawing Number: 307AD102

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Office of Construction and Facilities Management

Department of Veterans Affairs

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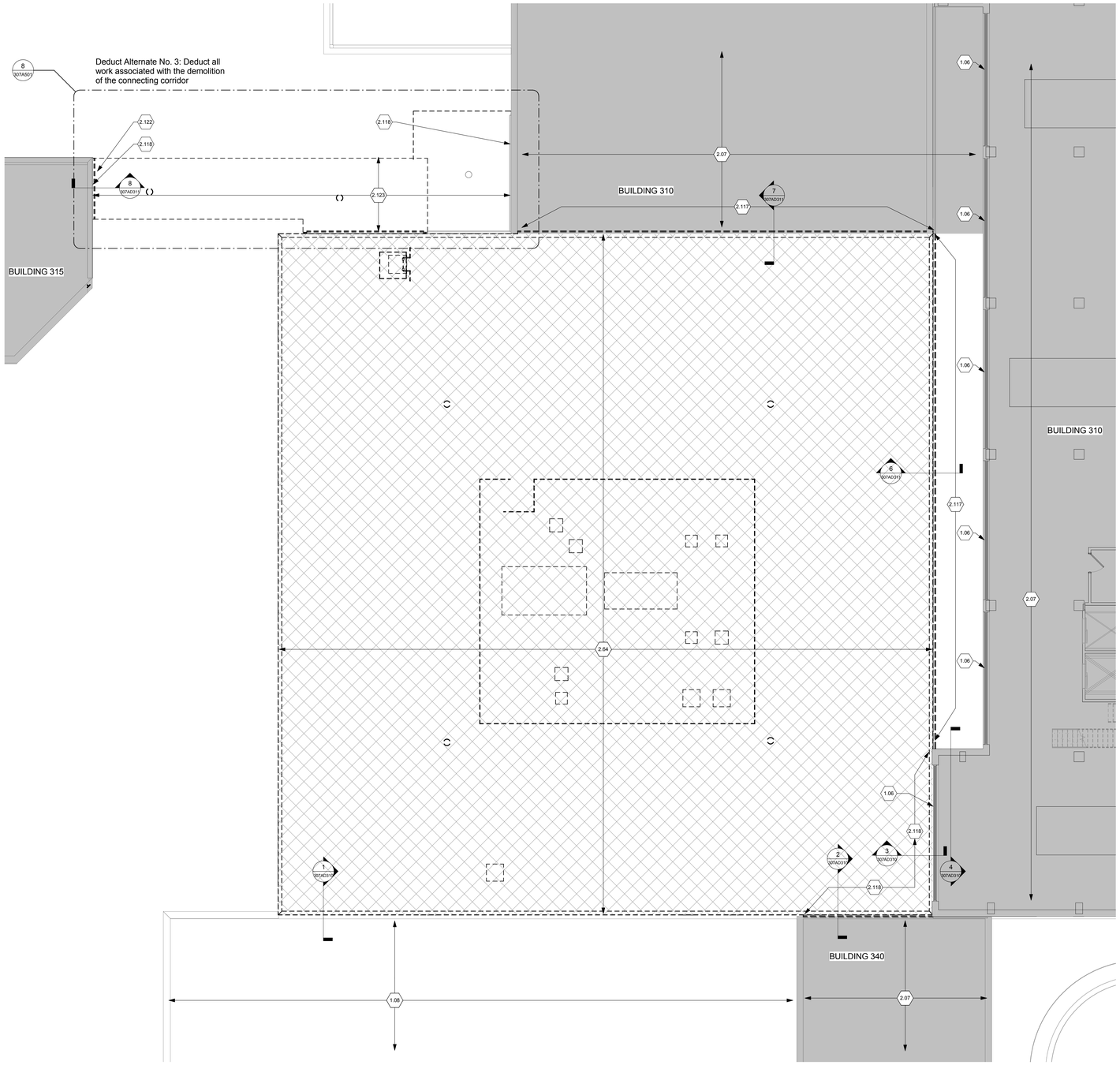


GENERAL DEMOLITION NOTES

A. Building 307 is to be removed in its entirety, except where noted otherwise. See Building 307 Demolition Phasing Plan for sequence of demolition and installation of new exterior wall materials at perimeter of buildings to remain. Means and methods used in the demolition of Building 307 are the sole responsibility of the contractor.

B. See original Building 307 construction drawings (Sheets 1 of 1 through E3 of 3) for additional information regarding building to be demolished. These drawings are included to assist contractor, but may not accurately represent current existing conditions. Building has been remodeled since original construction and interior partitions, finishes, materials, etc. may vary from original construction drawings. See demolition drawings for current configuration of interior partitions.

C. See Civil Drawings for requirements for installation of compacted backfill at footing/foundation removal and for final grading and site improvements.

D. See Hazardous Materials Abatement Specifications for requirements for removal of hazardous materials prior to demolition.

E. See Plumbing, Mechanical, Electrical and Fire Protection Drawings for requirements for relocation/removal/capping of equipment, utilities and services associated with the demolition of Building 307.

F. See Structural Drawings for requirements for modifications of existing footing to remain and be used in support of new exterior walls at buildings to remain.

G. It is the intent of this project that the 'exterior' walls of the existing buildings to remain along the perimeter of Building 307 be dried in or otherwise made weather tight as Building 307 is demolished. See Demolition Phasing Plan.

H. Salvage removed ceiling tiles for use in patching and repairing existing ceilings where new walls occur.

I. It is the intent of this project that the temporary partitions in Building 310 be erected just prior to demolition and remove as soon as the installation of the new exterior wall and interior finishes are complete. Coordinate with COR.

⬡ DEMOLITION NOTES

1.06	Provide dust protection for existing louvers. See P.M.E. & F.P. Drawings.
1.08	Roof below. Protect from damage throughout demolition and new construction.
2.07	Existing to remain, unless noted otherwise. Protect in place during demolition and new work.
2.64	Remove Building 307 in its entirety including foundations, slab, walls, floors, ceilings, stairs, ramps, doors, windows, fixtures, loading dock, and all P.M.E. & F.P. systems unless noted otherwise.
2.117	Existing gypsum board / metal stud partition to remain along perimeter of Building 307. Verify separation of all construction to remain from perimeter of B307 such that demolition of B307 does not affect adjacent construction to remain. Typical at all similar conditions. See P.M.E. & F.P. drawings for additional information.
2.118	Remove existing flashing between Building 307 and Building 310 prior to demolition of B307.
2.122	Remove all sealants, flashing, roofing materials, etc. from face brick.
2.123	Remove Connecting Corridor in its entirety including foundations, slab, walls, floors, ceilings, doors, windows, fixtures, and all P.M.E. & F.P. systems unless noted otherwise.

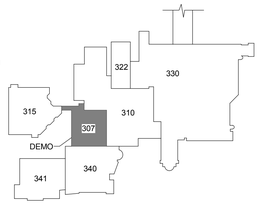
BUILDING 307
ROOF PLAN - DEMOLITION

N
PROJECT

Scale: 1/8" = 1'-0"

LEGEND

- Construction to be Demolished
- Existing Construction to Remain
- New Construction
- Temporary Partition
- Area of limited Architectural work. See PME Drawings for additional information.
- Extents of B307 to be demolished.
- New work this area.



KEY PLAN

Scale: N.T.S.

Revisions		Date
1	65% Design Development	04.28.2015
2	95% Owner Review	08.14.2015
3	100% Construction Documents	11.04.2015
4	Bid Set Drawings	05.16.2016

CONSULTANTS:

STATE OF OHIO
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6549
REGISTERED ARCHITECT

ARCHITECT/ENGINEERS:

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Drawing Title: ROOF DEMOLITION

Approved: Project Director

Project Title: RELOCATE PROSTHETICS AND PODIATRY CLINICS

Location: Dayton, Ohio

Date: 05.16.2016 | Checked: TH | Drawn: SD

Project No.: VA Project No. 552-15-502; JPA Project No. 14006.00

Building Number: 307

Drawing Number: 307AD103

Dwg. 307 of XX

Office of Construction and Facilities Management

Department of Veterans Affairs

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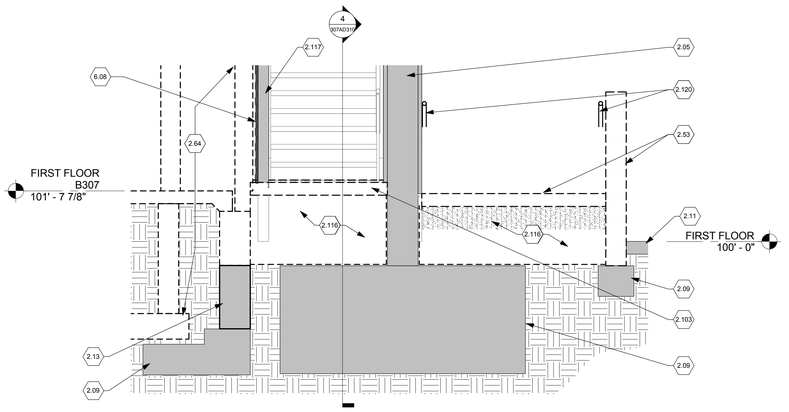
GENERAL NOTES

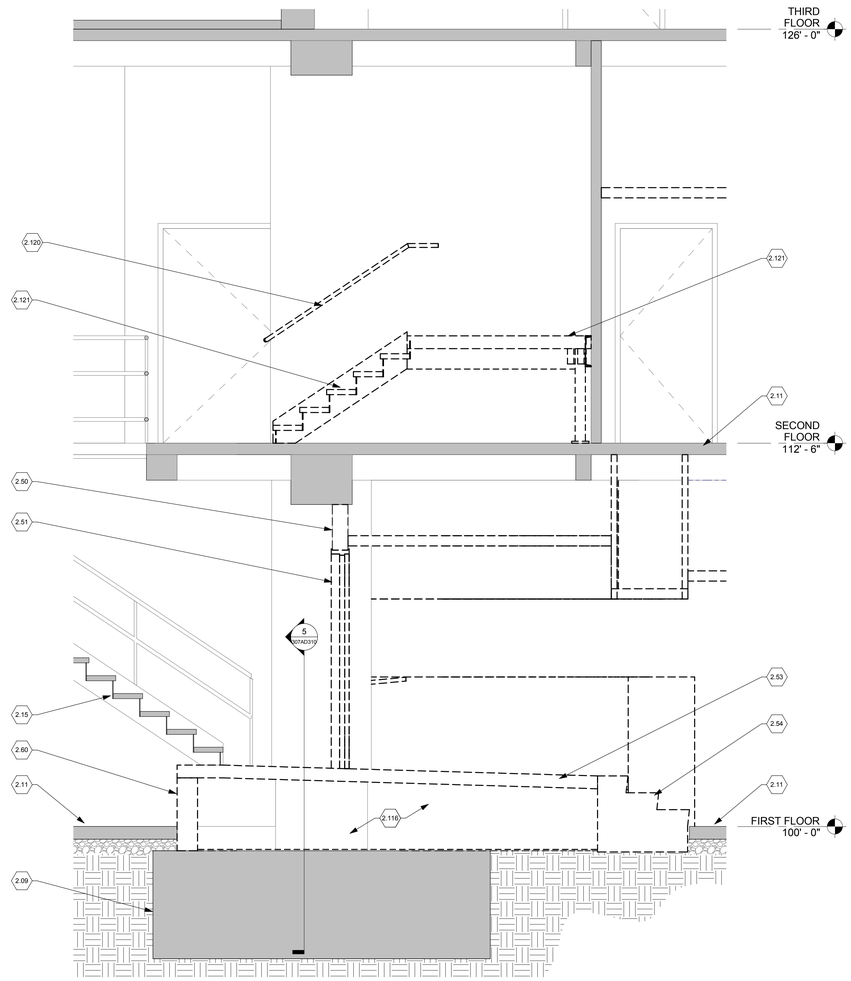
A. See Sheet 307A311 for new wall construction.
B. First Floor level 100'-0" equals 973.85'.

⬡ SECTION NOTES

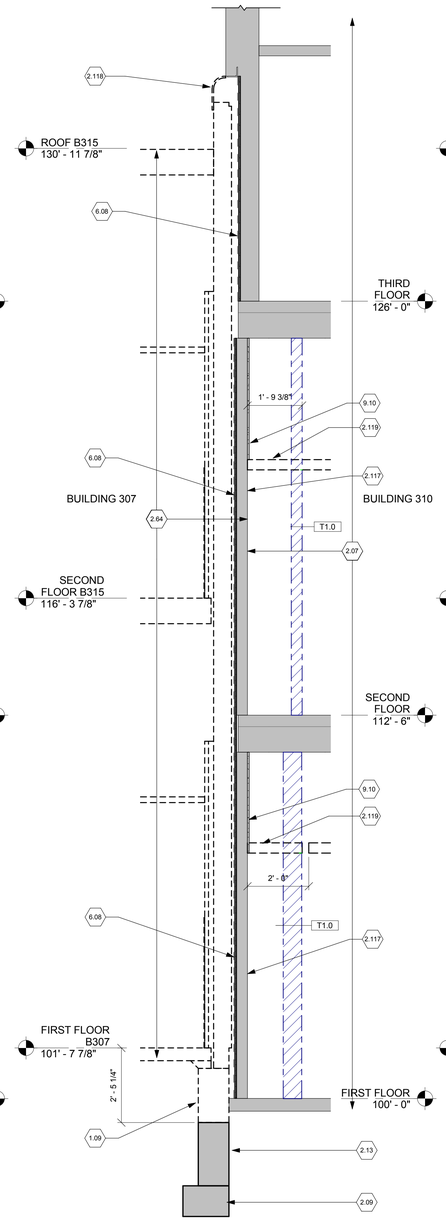
1.08	Roof below. Protect from damage throughout demolition and new construction.
1.09	Provide temporary drainage/dewatering to prevent water infiltration into building to remain.
2.05	Existing column to remain.
2.07	Existing to remain, unless noted otherwise. Protect in place during demolition and new work.
2.09	Existing footing to remain. Protect in place during demolition and new work.
2.11	Existing floor structure to remain.
2.13	Existing foundation wall to remain.
2.15	Existing stair to remain. Provide temporary support until new construction is installed.
2.50	Remove existing stud partition wall construction or furring indicated in its entirety.
2.51	Remove existing door, frame and associated hardware.
2.53	Remove existing cast in place concrete ramp and partial height concrete wall to below floor slab. Footing may remain.
2.54	Remove existing cast-in-place concrete stairs and portion of landing.
2.60	Remove existing foundation wall and column. Footings to remain.
2.64	Remove Building 307 in its entirety including foundations, slab, walls, floors, ceilings, stairs, ramps, doors, windows, fixtures, loading dock, and all P.M.E. & F.P. systems unless noted otherwise.
2.103	Remove existing concrete slab this area.
2.116	Remove existing fill under ramp to below floor slab.
2.117	Existing gypsum board / metal stud partition to remain along perimeter of Building 307. Verify separation of all construction to remain from perimeter of B307 such that demolition of B307 does not affect adjacent construction to remain. Typical at all similar conditions. See P.M.E. & F.P. drawings for additional information.
2.118	Remove existing flashing between Building 307 and Building 310 prior to demolition of B307.
2.119	Remove portion of existing ceiling to allow for demolition of B307.
2.120	Remove existing wall-mounted handrail.
2.121	Remove existing concrete-filled metal pan stairs, landing, and associated supports.
6.08	As demolition of Building 307 progresses, install 3/4" plywood sheathing on outside face of stud between slabs and cover with air and moisture barrier. Tape and seal all joints and penetrations. At end of each workday, all exposed construction shall be covered.
9.10	Install new gypsum board on exiting metal stud wall above ceiling. Typical.



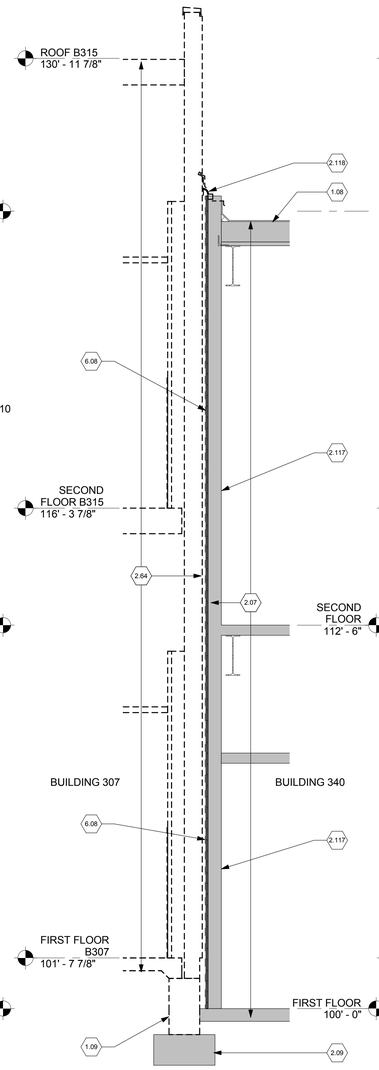
5 310-STAIR/RAMP SECTION
Scale: 1/2" = 1'-0"



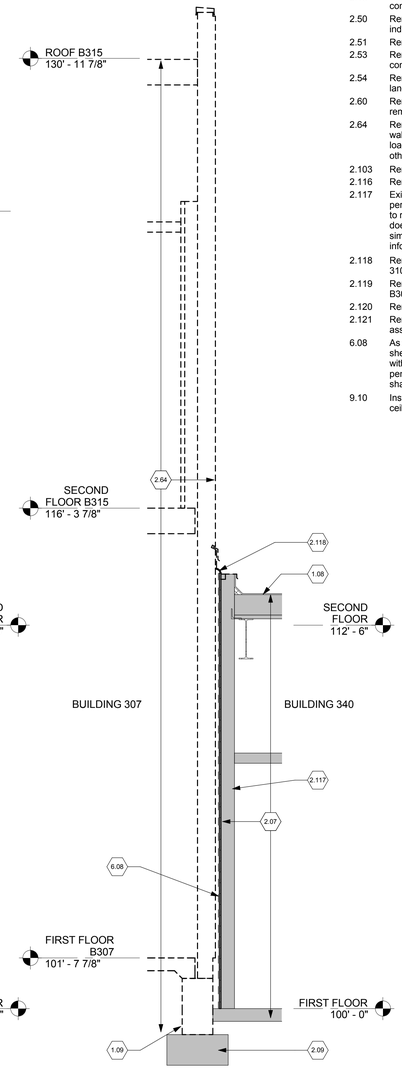
4 310-STAIR SECTION
Scale: 1/2" = 1'-0"



3 310-WALL SECTION
Scale: 1/2" = 1'-0"



2 340-WALL SECTION
Scale: 1/2" = 1'-0"



1 340-WALL SECTION
Scale: 1/2" = 1'-0"

Revisions		Date
1	65% Design Development	04.28.2015
2	95% Owner Review	08.14.2015
3	100% Construction Documents	11.04.2015
4	Bid Set Drawings	05.16.2016

CONSULTANTS:

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Drawing Title: DEMOLITION WALL SECTIONS

Approved: Project Director

Project Title: RELOCATE PROSTHETICS AND PODIATRY CLINICS

Location: Dayton, Ohio

Date: 05.16.2016 | Checked: TH | Drawn: SD

Project No. VA Project No. 552-15-502 JPA Project No. 14006.00

Building Number: 307

Drawing Number: 307AD310

Dwg. 307 of XX

Office of Construction and Facilities Management

Department of Veterans Affairs

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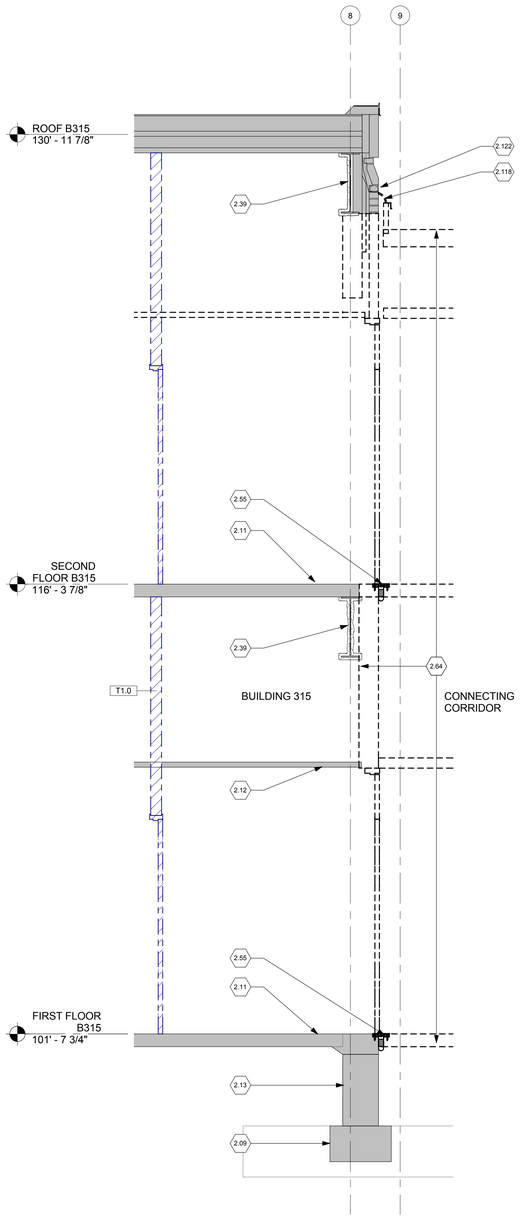
GENERAL NOTES

A. See Sheet 307A311 for new wall construction.
B. First Floor level 100'-0" equals 973.85'.

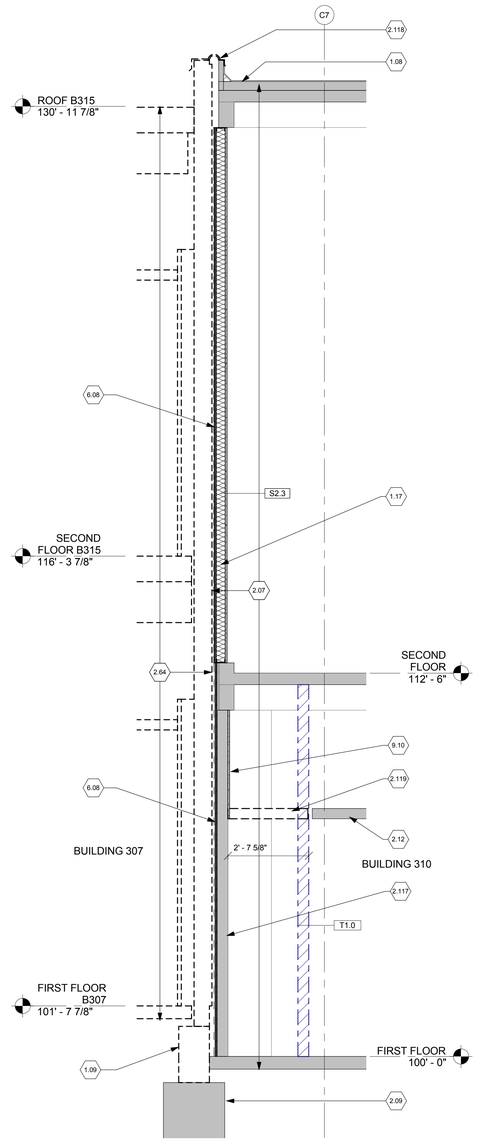
SECTION NOTES

1.08	Roof below. Protect from damage throughout demolition and new construction.
1.09	Provide temporary drainage/dewatering to prevent water infiltration into building to remain.
1.17	New wall to be installed prior to demolition of Building 307. See P.M.E. & F.P. Drawings for additional information.
2.07	Existing to remain, unless noted otherwise. Protect in place during demolition and new work.
2.09	Existing footing to remain. Protect in place during demolition and new work.
2.11	Existing floor structure to remain.
2.12	Existing ceiling to remain.
2.13	Existing foundation wall to remain.
2.39	Existing structure to remain. Protect in place during demolition and new work.
2.55	Remove existing expansion joint cover assembly.
2.64	Remove Building 307 in its entirety including foundations, slab, walls, floors, ceilings, stairs, ramps, doors, windows, fixtures, loading dock, and all P.M.E. & F.P. systems unless noted otherwise.
2.117	Existing gypsum board / metal stud partition to remain along perimeter of Building 307. Verify separation of all construction to remain from perimeter of B307 such that demolition of B307 does not affect adjacent construction to remain. Typical at all similar conditions. See P.M.E. & F.P. drawings for additional information.
2.118	Remove existing flashing between Building 307 and Building 310 prior to demolition of B307.
2.119	Remove portion of existing ceiling to allow for demolition of B307.
2.122	Remove all sealants, flashing, roofing materials, etc. from face brick.
6.08	As demolition of Building 307 progresses, install 3/4" plywood sheathing on outside face of stud between slabs and cover with air and moisture barrier. Tape and seal all joints and penetrations. At end of each workday, all exposed construction shall be covered.
9.10	Install new gypsum board on exiting metal stud wall above ceiling. Typical.
9.21	5/8" Type X gypsum board.

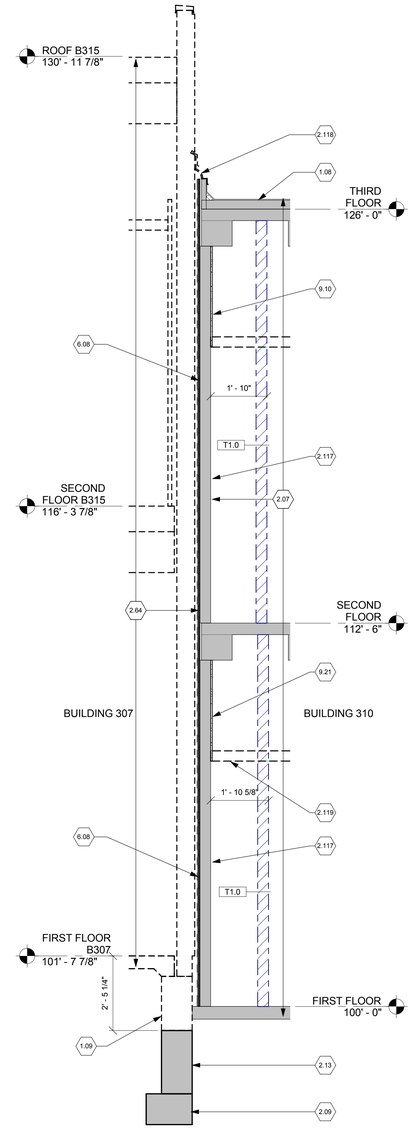


8 315-WALL SECTION
Scale: 1/2" = 1'-0"

Deduct Alternate No. 3: Deduct all work associated with the demolition of the connecting corridor



7 310-WALL SECTION
Scale: 1/2" = 1'-0"



6 310-WALL SECTION
Scale: 1/2" = 1'-0"

Revisions		Date
1	95% Owner Review	08.14.2015
2	100% Construction Documents	11.04.2015
3	Bid Set Drawings	05.16.2016

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Drawing Title: DEMOLITION WALL SECTIONS

Approved: Project Director

Project Title: RELOCATE PROSTHETICS AND PODIATRY CLINICS

Location: Dayton, Ohio

Project No.: VA Project No. 552-15-502; JPA Project No. 14006.00

Building Number: 307

Drawing Number: 307AD311

Dwg. of XX

Date: 05.16.2016 | Checked: TH | Drawn: NS

Office of Construction and Facilities Management

Department of Veterans Affairs

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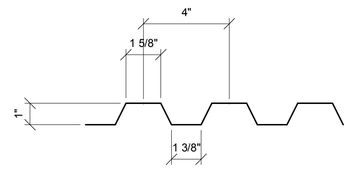
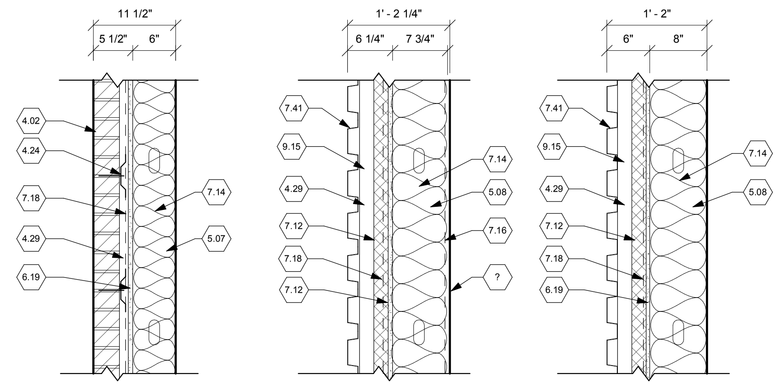
KEY NOTES

4.02	Brick veneer to match Building 310.
4.24	Adjustable masonry veneer anchors @ 16" O.C. vertical, 24" O.C. horizontal.
4.29	Airspace.
5.07	6" cold formed metal framing @ 16" O.C. See Structural Drawings.
5.08	8" cold formed metal framintg @ 16" O.C. See Structural Drawings.
6.08	As demolition of Building 307 progresses, install 3/4" plywood sheathing on outside face of stud between slabs and cover with air and moisture barrier. Tape and seal all joints and penetrations. At end of each workday, all exposed construction shall be covered.
6.17	3/4" exterior grade plywood.
6.19	5/8" exterior glass matt gypsum board sheathing. Seal all joints.
7.05	Fire/smoke stop at metal deck.
7.12	Rigid thermal wall insulation, R-12 min.
7.13	Batt thermal wall insulation. R-11 min.
7.14	Batt thermal wall insulation. R-19 min.
7.16	Vapor retarder. Seal all joints and penetratons.
7.18	Air and moisture barrier.
7.41	12" wide horizontal metal wall panel.
7.82	Continuous acoustic sealant @ non-rated walls / fire-rated sealant @ rated walls each side.
9.02	3 5/8" non-structural metal framing @ 16" o.c.
9.06	7/8" furring.
9.11	2 1/2" metal shaft-wall C-H framing @ 24" o.c..
9.15	4" vertical metal 'Z' girt @ 48" o.c. horizontal
9.16	Flame-retardant plastic sheeting sealed to create negative air pressure inside work zone
9.19	1 5/8" non-structural metal framing @ 16" o.c.
9.21	5/8" Type X gypsum board.
9.25	1" Type "X" shaft-wall gypsum liner panel.
9.80	Acoustic insulation

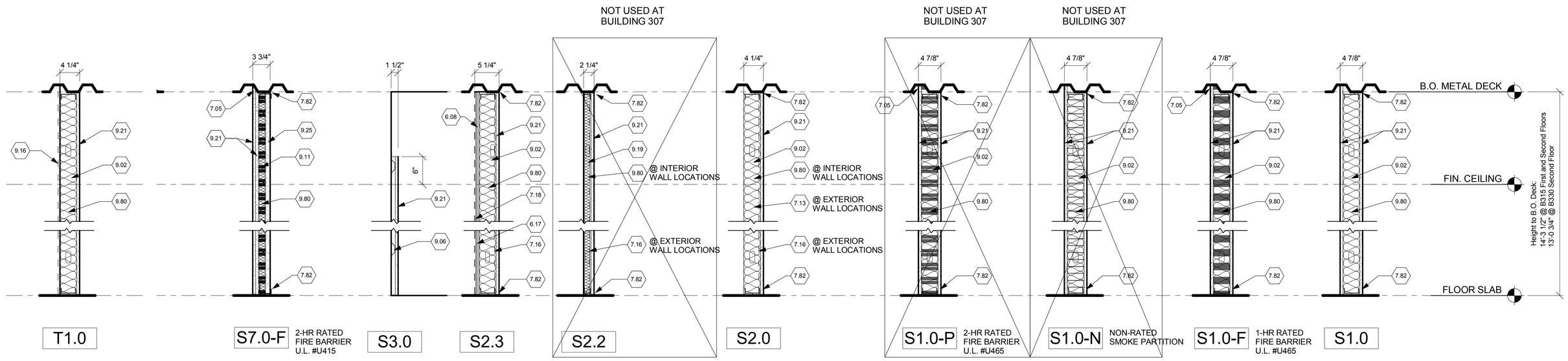


1 METAL PANEL PROFILE

Scale: 3" = 1'-0"



E4.0 E3.1 E3.0



WALL TYPES @ BUILDING 307

Scale: N.T.S.

Revisions		Date
1	95% Owner Review	08.14.2015
2	100% Construction Documents	11.04.2015
3	Bid Set Drawings	05.16.2016

CONSULTANTS:

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Drawing Title: WALL TYPES

Approved: Project Director

Project Title: RELOCATE PROSTHETICS AND PODIATRY CLINICS

Location: Dayton, Ohio

Date: 05.16.2016 | Checked: TH | Drawn: NS

Project No. VA Project No. 552-15-502 JPA Project No. 14006.00

Building Number: 307

Drawing Number: 307A001

Dwg. of xx

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BID ITEM 1, Base Bid: All work specified or shown in the bid documents. Work includes all site work, demolition, general construction, kitchen equipment, plumbing, mechanical, electrical work and fire protection work, necessary removal of existing construction and certain other items and construction of new work shown. Contractor shall have 570 days from Notice to Proceed to complete Work associated with Item I, Base Bid.

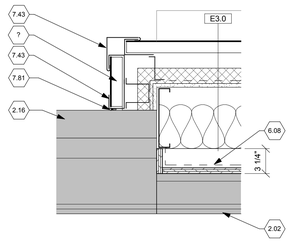
BID ITEM 2 (DEDUCT ALTERNATE NO.1): Contractor shall perform all work as described in BID ITEM 1 (BASE BID) except deduct all work associated with installation new ceiling and floor finish materials and lighting in corridors C-2-2, C-2-3, C,2-4, C-2-5 and C-2-6 in Building 315 as indicated in the contract documents.

BID ITEM 3 (DEDUCT ALTERNATE NO. 2): Contractor shall perform all work as described in BID ITEM 1 (BASE BID) except deduct all work associated with BID ITEM 2 and deduct all work associated with Restrooms 210 and 228 in Building 315 as indicated in the contract documents.

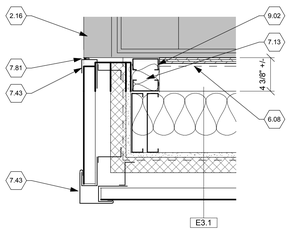
BID ITEM 4 (DEDUCT ALTERNATE NO. 3): Contractor shall perform all work as described in BID ITEM 1 (BASE BID) except deduct all work associated with BID ITEM 2, BID ITEM 3 and deduct all work associated with the demolition of the connecting corridor as indicated in the contract documents.

BID ITEM 5 (DEDUCT ALTERNATE NO. 4): Contractor shall perform all work as described in BID ITEM 1 (BASE BID) except deduct all work associated with BID ITEM 2, BID ITEM 3, BID ITEM 4 and deduct all work associated with the ninth floor of Building 330 as indicated in the contract documents.

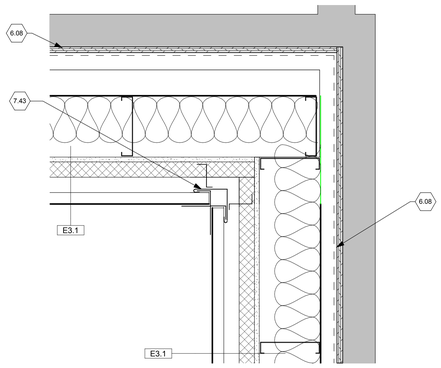
BID ITEM 6 (DEDUCT ALTERNATE NO. 5): Contractor shall perform all work as described in BID ITEM 1 (BASE BID) except deduct all work associated with BID ITEM 2, BID ITEM 3, BID ITEM 4, BID ITEM 5 and deduct all work associated with the replacement of panel interiors, circuit breakers and tubs (panels A, B, GA, AA, 1A, 1B, 1C, EM, EM1 And EM2) as indicated in the contract documents.



1 PLAN DETAIL
Scale: 1 1/2" = 1'-0"

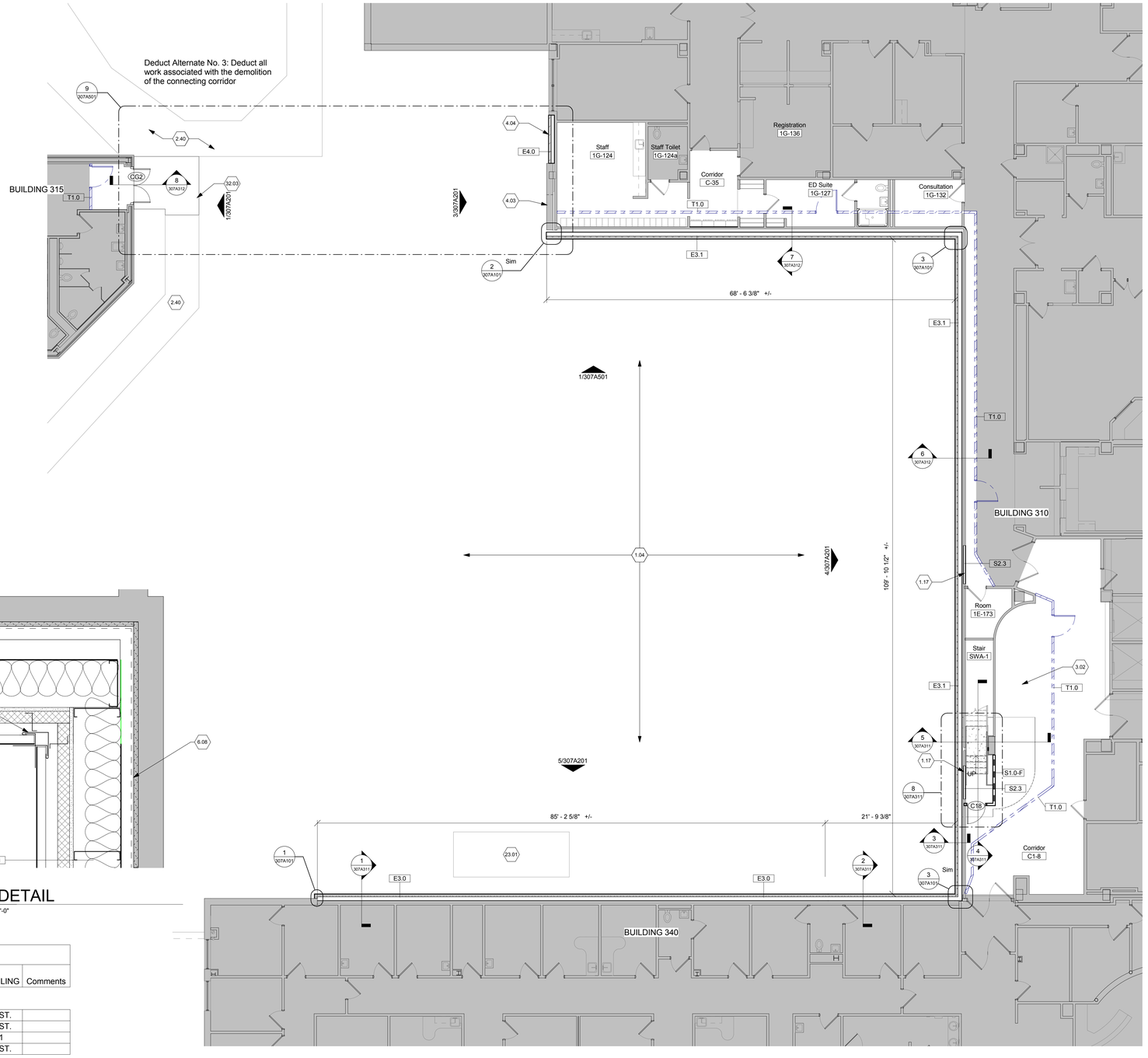


2 PLAN DETAIL
Scale: 1 1/2" = 1'-0"



3 PLAN DETAIL
Scale: 1 1/2" = 1'-0"

307-ROOM FINISH SCHEDULE									
				WALLS					
ROOM #	ROOM NAME	FLOOR	BASE	North	South	East	West	CEILING	Comments
FIRST FLOOR									
1E-173	Room	EXIST.	RB-1	P-1	P-1	P-1	P-1	EXIST.	
230	Corridor	EXIST.	RB-1	-	-	-	P-1	EXIST.	
C1-8	Corridor	EXIST.	RB-1	P-1	P-1	P-1	P-1	AT-1	
SWA-1	Stair	EXIST.	RB-1	P-1	P-1	P-1	P-1	EXIST.	
SECOND FLOOR									
2E-100	Mechanical Room	EXIST.	RB-1	EXIST.	P-1	EXIST.	EXIST.	-	
SWA-2	Stair	RT-1 / RST-1	RB-1	P-1	P-1	P-1	P-1	EXIST.	



BUILDING 307
FIRST FLOOR PLAN
Scale: 1/8" = 1'-0"

N
PROJECT

GENERAL NOTES

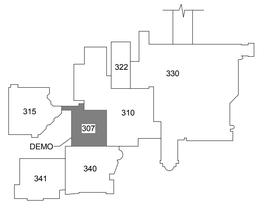
A. All dimensions are taken to face of gypsum wallboard or unit masonry.
B. Edge of all door jambs at hinge side not otherwise indicated are to be 6" from the face of intersecting walls. Edge of all door jambs at strike side not otherwise located are to be 18" minimum from the face of intersecting walls.
C. All wood blocking to be fire retardent treated.
D. First Floor level 100'-0" equals 973.85'.
E. All partitions shall be type 'S1.0' unless noted otherwise.
F. Contractor to patch and repair any spray-applied fireproofing that may become damaged as a result of demolition or new construction activities. Repair with same material and thickness to match original condition.
G. At Building 315 and 330, some original partition construction is 4" metal studs. Where existing construction is being patched, verify existing conditions and stud thickness and provide new studs of appropriate thickness so that new work is flush with existing construction.
H. See Sheet IF-102 for Furniture and Equipment information.

KEY NOTES

1.04	See Civil and P.M.E. & F.P. Drawings for site work.
1.17	New wall to be installed prior to demolition of Building 307. See P.M.E. & F.P. Drawings for additional information.
2.02	Existing shaft wall to remain.
2.16	Existing exterior wall to remain.
2.40	Existing sidewalk to remain. See Civil Drawings.
3.02	Concrete slab on grade over vapor barrier over 6" compacted aggregate base. See Structural Drawings.
4.03	Contractor to include 20 square feet of new brick masonry infill this area. Infill located approximately 12'-0" A.F.F. Brick & mortar joints to match existing adjacent.
4.04	Contractor to include 150 square feet of new wall type indicated. Brick & mortar joints to match existing adjacent.
6.08	As demolition of Building 307 progresses, install 3/4" plywood sheathing on outside face of stud between slabs and cover with air and moisture barrier. Tape and seal all joints and penetrations. At end of each workday, all exposed construction shall be covered.
7.13	Batt thermal wall insulation. R-11 min.
7.41	12" wide horizontal metal wall panel.
7.43	Metal panel closure trim by panel manufacturer. Color to match panel color.
7.81	Continuous sealant over backer rod.
9.02	3 5/8" non-structural metal framing @ 16" o.c.
23.01	Mechanical Equipment. See Mechanical Drawings.
32.03	See Civil Drawings for concrete stoop and sidewalk.

LEGEND

- Area of limited Architectural work. See PME Drawings for additional information.
- Temporary Partition - See Wall Types for more information.
- 1 hour fire barrier - See Wall Types for more information.
- 2 hour fire barrier - See Wall Types for more information.
- 1 hour smoke barrier - See Wall Types for more information.
- 0 hour smoke partition - See Wall Types for more information.



KEY PLAN
Scale: N.T.S.

Revisions		Date
1	35% Schematic Design	03.05.2015
2	65% Design Development	04.28.2015
3	95% Owner Review	08.14.2015
4	100% Construction Documents	11.04.2015
5	Bid Set Drawings	05.16.2016

CONSULTANTS:

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Drawing Title: FIRST FLOOR PLAN AND ROOM FINISH SCHEDULE

Approved: Project Director

Project Title: RELOCATE PROSTHETICS AND PODIATRY CLINICS

Location: Dayton, Ohio

Date: 05.16.2016 | Checked: TH | Drawn: SD

Project No. VA Project No. 552-15-502 JPA Project No. 14006.00

Building Number: 307

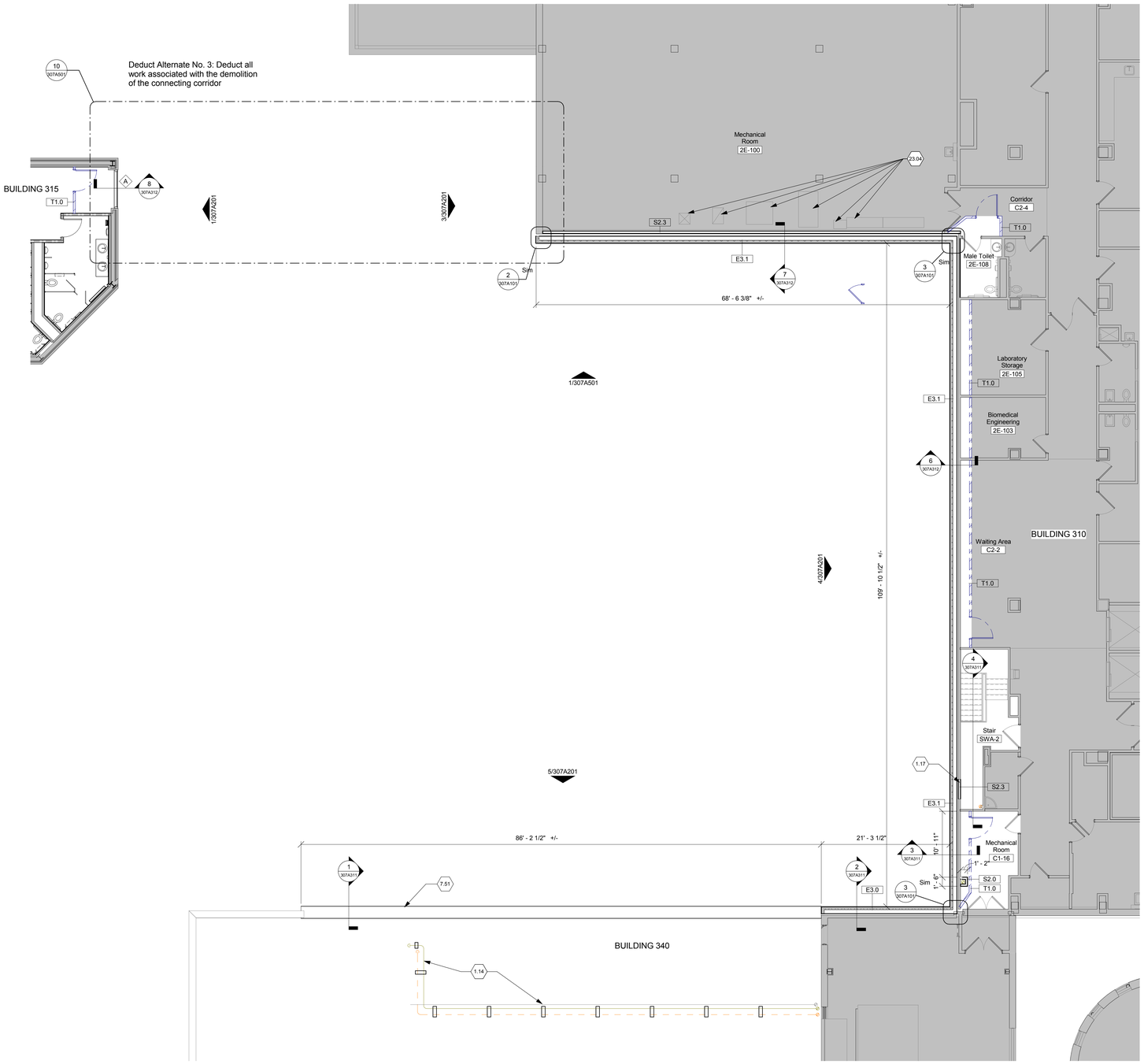
Drawing Number: 307A101

Dwg. 0 of XX

Office of Construction and Facilities Management

Department of Veterans Affairs

FULLY SPRINKLERED



BUILDING 307
SECOND FLOOR PLAN

Scale: 1/8" = 1'-0"

N
PROJECT

GENERAL NOTES

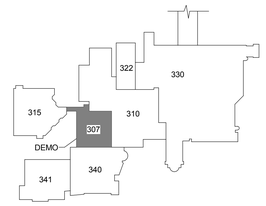
A. All dimensions are taken to face of gypsum wallboard or unit masonry.
B. Edge of all door jambs at hinge side not otherwise indicated are to be 6" from the face of intersecting walls. Edge of all door jambs at strike side not otherwise located are to be 18" minimum from the face of intersecting walls.
C. All wood blocking to be fire retardent treated.
D. First Floor level 100'-0" equals 973.85'.
E. All partitions shall be type 'S1.0' unless noted otherwise.
F. Contractor to patch and repair any spray-applied fireproofing that may become damaged as a result of demolition or new construction activities. Repair with same material and thickness to match original condition.
G. At Building 315 and 330, some original partition construction is 4" metal studs. Where existing construction is being patched, verify existing conditions and stud thickness and provide new studs of appropriate thickness so that new work is flush with existing construction.
H. See Sheet IF-102 for Furniture and Equipment information.

KEY NOTES

1.14	See P.M.E. & F.P. Drawings.
1.17	New wall to be installed prior to demolition of Building 307. See P.M.E. & F.P. Drawings for additional information.
7.51	Prefinished metal coping.
23.04	See P.M.E. Drawings for description of equipment to remain.

LEGEND

- Area of limited Architectural work. See PME Drawings for additional information.
- Temporary Partition - See Wall Types for more information.
- 1 hour fire barrier - See Wall Types for more information.
- 2 hour fire barrier - See Wall Types for more information.
- 1 hour smoke barrier - See Wall Types for more information.
- 0 hour smoke partition - See Wall Types for more information.



KEY PLAN

Scale: N.T.S.

1	65% Design Development	04.28.2015
2	95% Owner Review	08.14.2015
3	100% Construction Documents	11.04.2015
4	Bid Set Drawings	05.16.2016
Revisions		Date

CONSULTANTS:

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Drawing Title: SECOND FLOOR PLAN

Approved: Project Director

Project Title: RELOCATE PROSTHETICS AND PODIATRY CLINICS

Location: Dayton, Ohio

Date: 05.16.2016 | Checked: TH | Drawn: SD

Project No. VA Project No. 552-15-502 JPA Project No. 14006.00

Building Number: 307

Drawing Number: 307A102

Dwg. 307 of XX

Office of Construction and Facilities Management

Department of Veterans Affairs

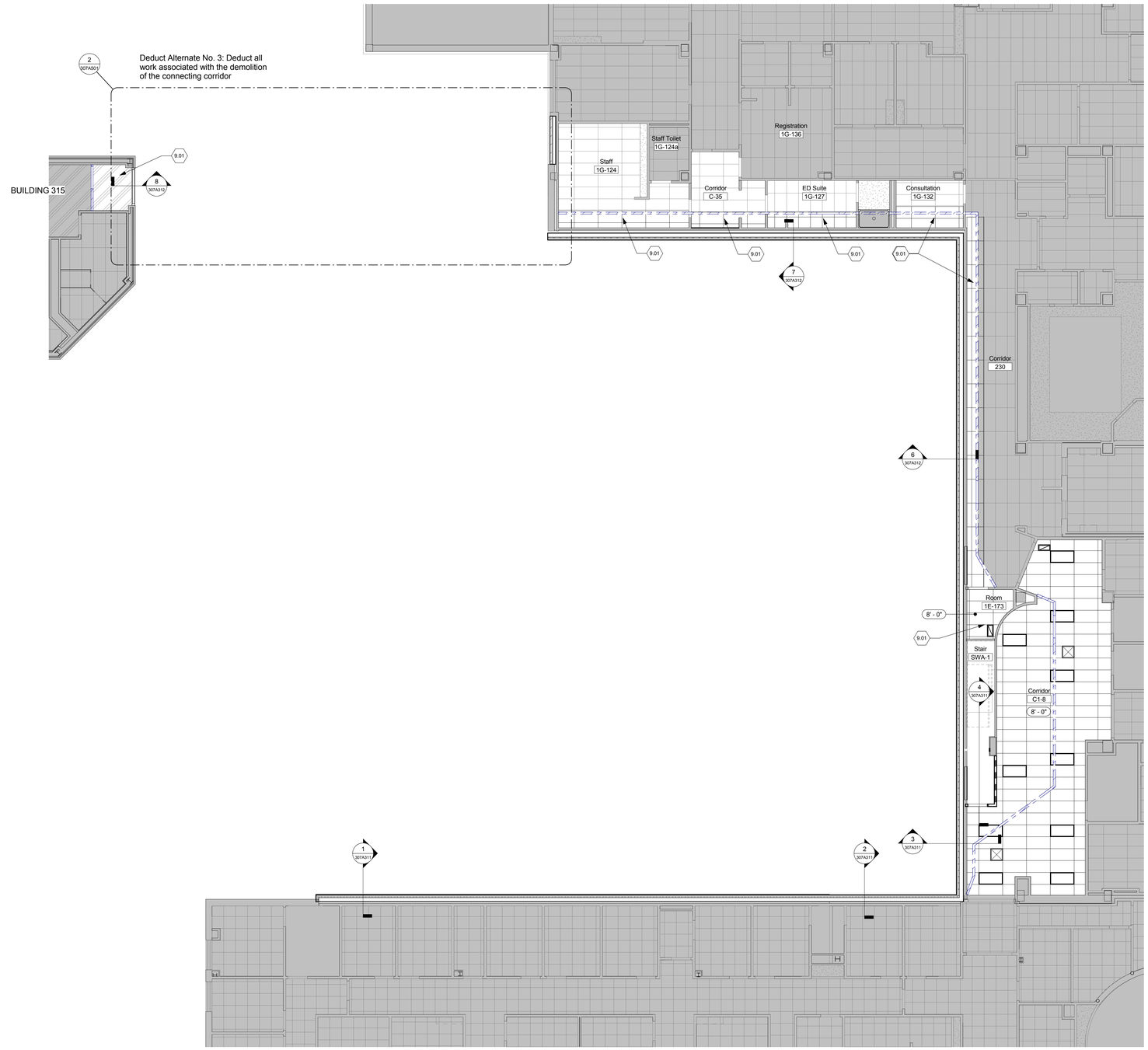
FULLY SPRINKLERED

GENERAL NOTES

A. All wood blocking shall be fire retardant.
B. Light fixtures, sprinkler heads, speakers, and HVAC devices shall be located as close as possible to the center of acoustical ceiling panels. Confirm any deviation from this with the Project Engineer.
C. See P, M, E and FP drawings for additional information regarding final information and quantites of fixtures/devices to be installed in ceiling.
D. See Electrical Drawings for lighting specifications.
E. All gypsum board ceilings to be painted P-1 unless noted otherwise.
F. Ceiling height to be 8'-0" AFF, unless noted otherwise.
K. All acoustical ceilings are to be AT-1, unless noted otherwise.
L. All gypsum board ceilings are to be painted P-1, unless noted otherwise.

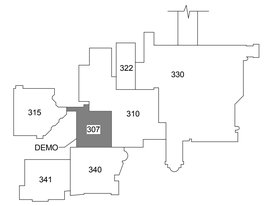
⬡ KEY NOTES

9.01 Remove, modify and reinstall existing acoustic ceiling system as required to install temporary and permenant partitions. Provide new components to match existing as required.



REFLECTED CEILING PLAN LEGEND

- Recessed downlight fixture
- 2' x 4' fluorescent fixture
- 2' x 2' acoustical tile ceiling
- Gypsum board / portland cement plaster ceiling / soffit - painted
- Pendant light fixture
- Surface-mounted strip light fixture
- Temporary Partition - See Wall Types for more information
- Supply Air Diffuser
- Return Air Grille
- Chain-hung light fixture
- Access panel
- Recessed wall-wash fixture
- Area of limited Architectural work. See PME Drawings for additional information.



KEY PLAN

Scale: N.T.S.

BUILDING 307
FIRST FLOOR REFLECTED CEILING

N
PROJECT

Scale: 1/8" = 1'-0"

Revisions		Date
1	65% Design Development	04.28.2015
2	95% Owner Review	08.14.2015
3	100% Construction Documents	11.04.2015
4	Bid Set Drawings	05.16.2016

CONSULTANTS:

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Drawing Title: FIRST FLOOR REFLECTED CEILING

Approved: Project Director

Project Title: RELOCATE PROSTHETICS AND PODIATRY CLINICS

Location: Dayton, Ohio

Date: 05.16.2016 | Checked: TH | Drawn: SD

Project No. VA Project No. 552-15-502 JPA Project No. 14006.00

Building Number: 307

Drawing Number: 307A121

Dwg. 307 of XX

Office of Construction and Facilities Management

Department of Veterans Affairs

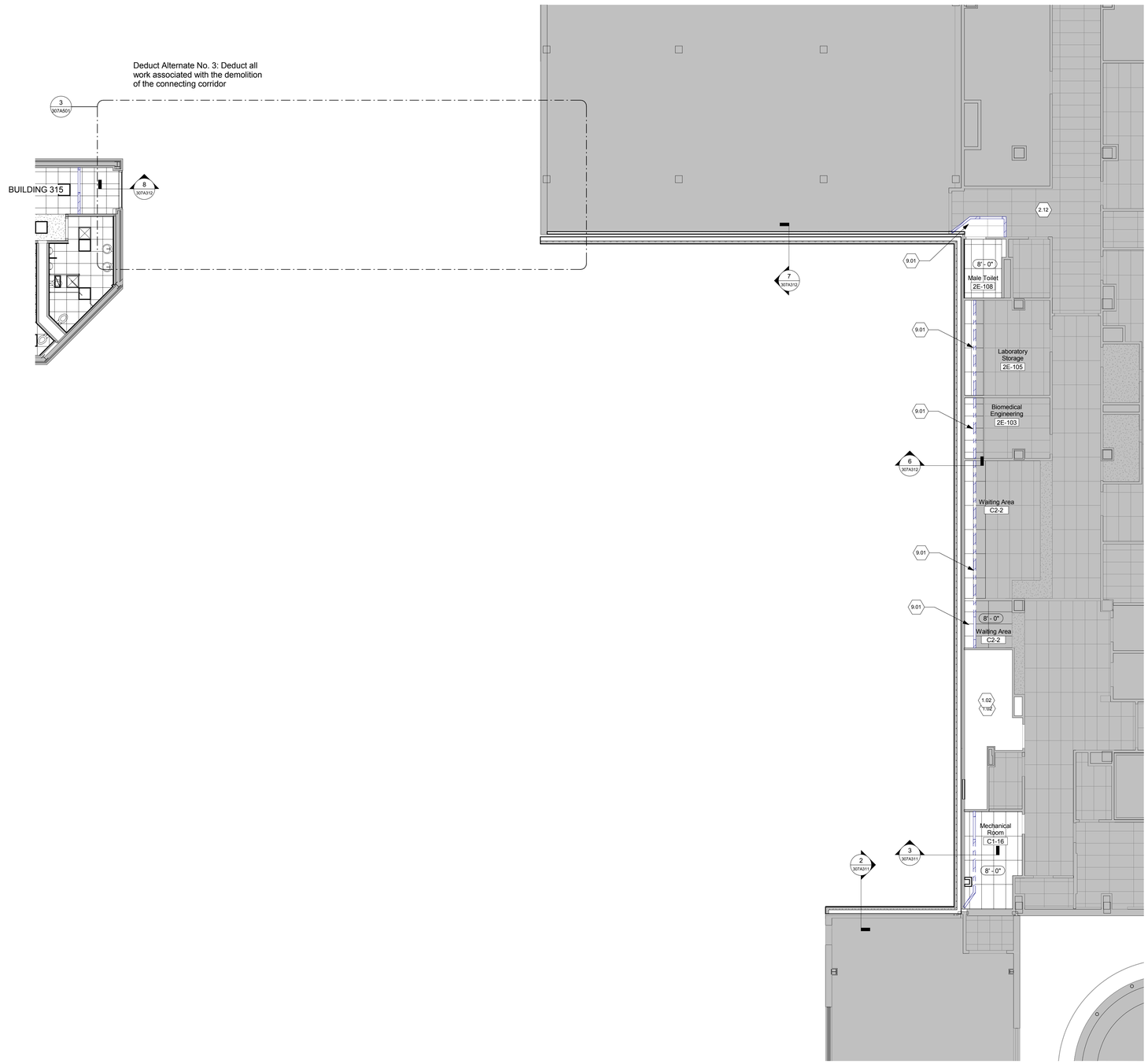
FULLY SPRINKLERED

GENERAL NOTES

A. All wood blocking shall be fire retardant.
B. Light fixtures, sprinkler heads, speakers, and HVAC devices shall be located as close as possible to the center of acoustical ceiling panels. Confirm any deviation from this with the Project Engineer.
C. See P, M, E and FP drawings for additional information regarding final information and quantites of fixtures/devices to be installed in ceiling.
D. See Electrical Drawings for lighting specifications.
E. All gypsum board ceilings to be painted P-1 unless noted otherwise.
F. Ceiling height to be 8'-0" AFF, unless noted otherwise.
K. All acoustical ceilings are to be AT-1, unless noted otherwise.
L. All gypsum board ceilings are to be painted P-1, unless noted otherwise.

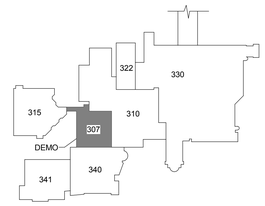
KEY NOTES

1.02 No ceiling work this area.
2.12 Existing ceiling to remain.
9.01 Remove, modify and reinstall existing acoustic ceiling system as required to install temporary and permenant partitions. Provide new components to match existing as required.



REFLECTED CEILING PLAN LEGEND

- Recessed downlight fixture
- Supply Air Diffuser
- 2' x 4' fluorescent fixture
- Return Air Grille
- 2' x 2' acoustical tile ceiling
- Chain-hung light fixture
- Gypsum board / portland cement plaster ceiling / soffit - painted
- Access panel
- Pendant light fixture
- Recessed wall-wash fixture
- Surface-mounted strip light fixture
- Area of limited Architectural work. See PME Drawings for additional information.
- Temporary Partition - See Wall Types for more information



KEY PLAN

Scale: N.T.S.

N
PROJECT

BUILDING 307
SECOND FLOOR REFLECTED CEILING

Scale: 1/8" = 1'-0"

Revisions		Date
1	65% Design Development	04.28.2015
2	95% Owner Review	08.14.2015
3	100% Construction Documents	11.04.2015
4	Bid Set Drawings	05.16.2016

CONSULTANTS:

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ARCHITECT/ENGINEERS:
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Drawing Title: SECOND FLOOR REFLECTED CEILING

Approved: Project Director

Project Title: RELOCATE PROSTHETICS AND PODIATRY CLINICS

Location: Dayton, Ohio

Date: 05.16.2016 | Checked: TH | Drawn: SD

Project No. VA Project No. 552-15-502 JPA Project No. 14006.00

Building Number: 307

Drawing Number: 307A122

Dwg. 307 of XX

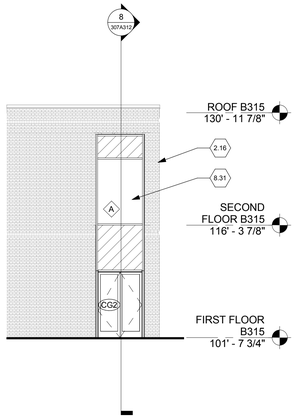
Office of Construction and Facilities Management

Department of Veterans Affairs

FULLY SPRINKLERED

⬡ ELEVATION NOTES

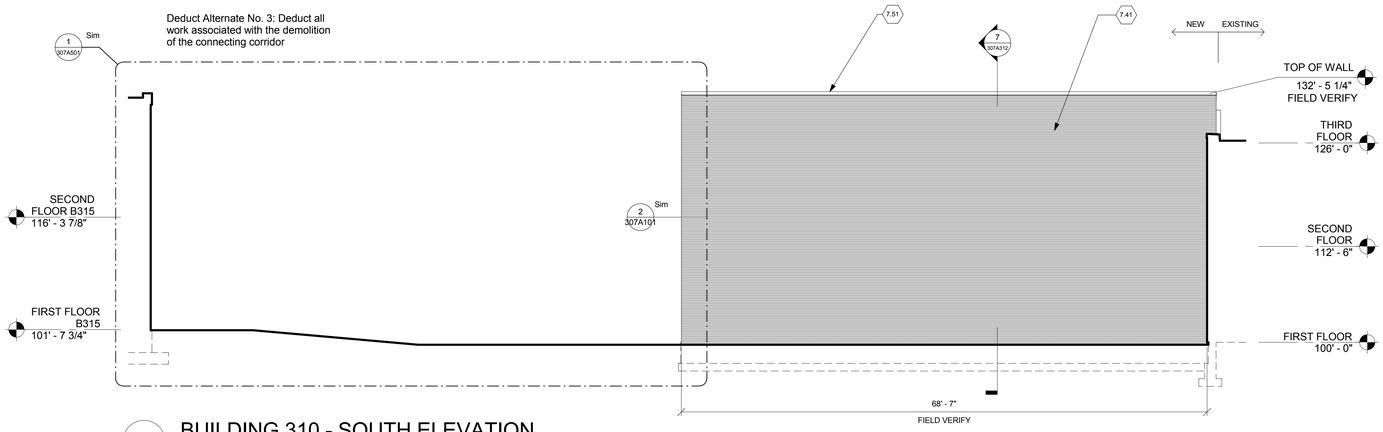
1.06	Provide dust protection for existing louvers. See P.M.E. & F.P. Drawings.
2.07	Existing to remain, unless noted otherwise. Protect in place during demolition and new work.
2.16	Existing exterior wall to remain.
2.17	Existing storefront system to remain.
4.03	Contractor to include 20 square feet of new brick masonry infill this area. Infill located approximately 12'-0" A.F.F. Brick & mortar joints to match existing adjacent.
4.04	Contractor to include 150 square feet of new wall type indicated. Brick & mortar joints to match existing adjacent.
7.41	12" wide horizontal metal wall panel.
7.51	Prefinished metal coping.
7.86	Fire rated expansion joint cover assembly.
8.31	6" Aluminum curtainwall system.



1 BUILDING 315 - EAST ELEVATION

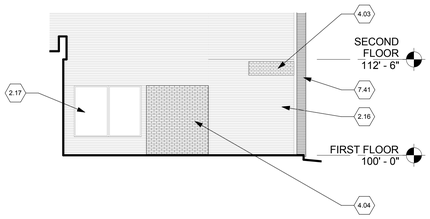
Scale: 1/8" = 1'-0"

Deduct Alternate No. 3: Deduct all work associated with the demolition of the connecting corridor



2 BUILDING 310 - SOUTH ELEVATION

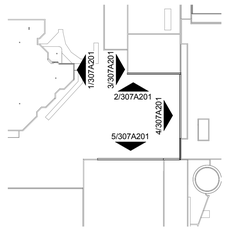
Scale: 1/8" = 1'-0"



3 BUILDING 310 - WEST ELEVATION

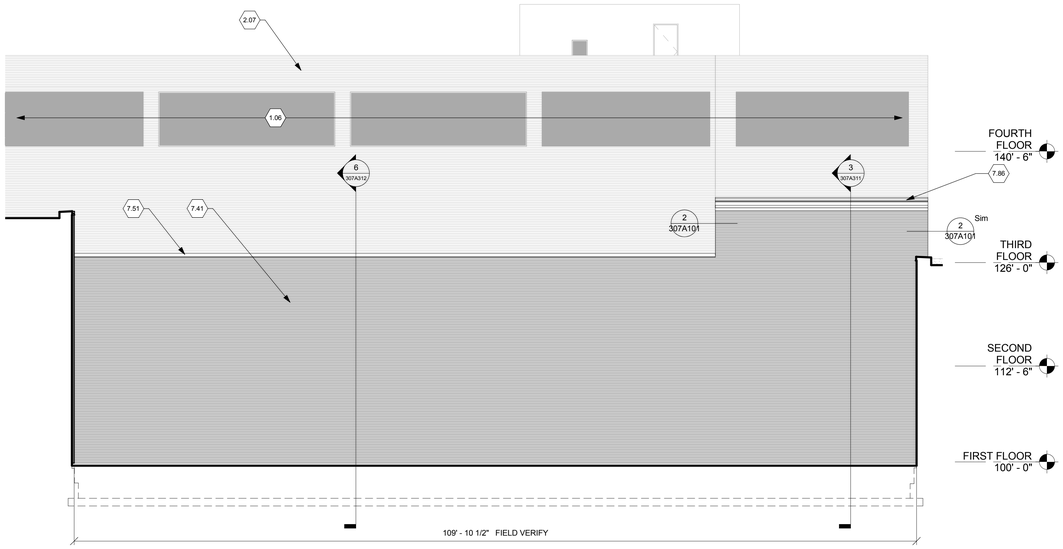
Scale: 1/8" = 1'-0"

Deduct Alternate No. 3: Deduct all work associated with the demolition of the connecting corridor



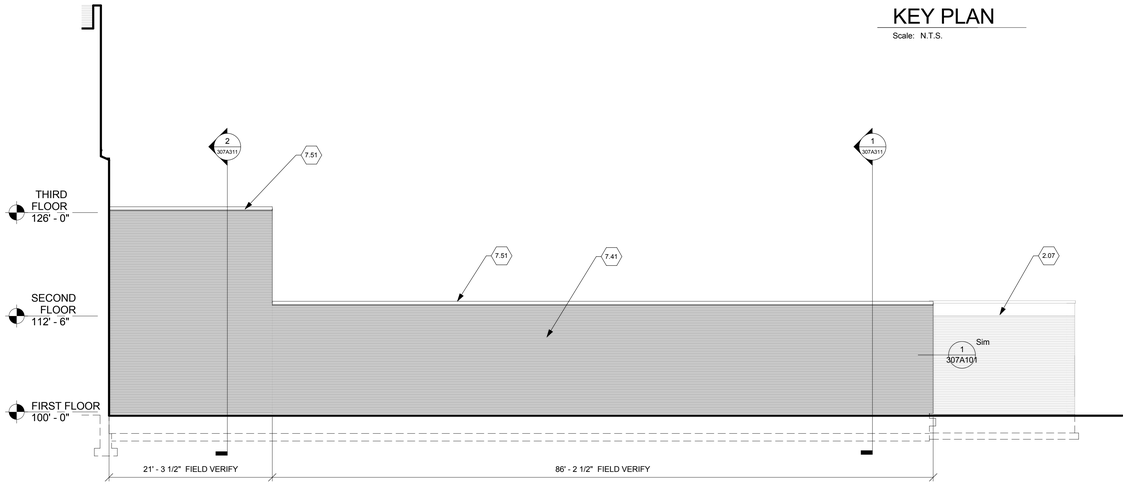
KEY PLAN

Scale: N.T.S.



4 BUILDING 310 - WEST ELEVATION

Scale: 1/8" = 1'-0"



5 BUILDING 340 - NORTH ELEVATION

Scale: 1/8" = 1'-0"

1	65% Design Development	04.28.2015
2	95% Owner Review	08.14.2015
3	100% Construction Documents	11.04.2015
4	Bid Set Drawings	05.16.2016
Revisions		Date

CONSULTANTS:

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Drawing Title: EXTERIOR ELEVATIONS

Approved: Project Director

Project Title: RELOCATE PROSTHETICS AND PODIATRY CLINICS

Location: Dayton, Ohio

Date: 05.16.2016 | Checked: TH | Drawn: SD

Project No.: VA Project No. 552-15-502; JPA Project No. 14006.00

Building Number: 307

Drawing Number: 307A201

Dwg. 307 of XX

Office of Construction and Facilities Management

Department of Veterans Affairs

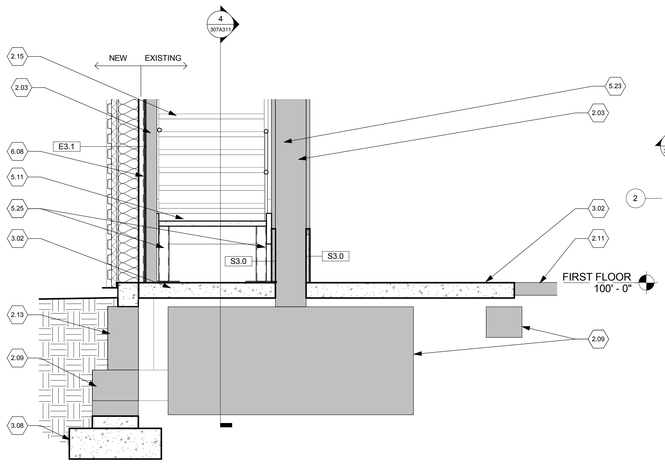
FULLY SPRINKLERED

GENERAL NOTES

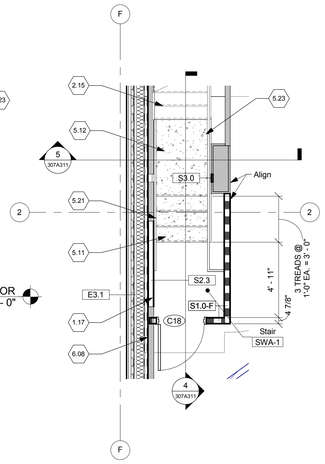
A. Verify all conditions prior to fabrication, erection, and installation.
B. See Sheet 307AD310 for demo wall sections.
C. First Floor level 100'-0" equals 973.85'.

⬡ SECTION NOTES

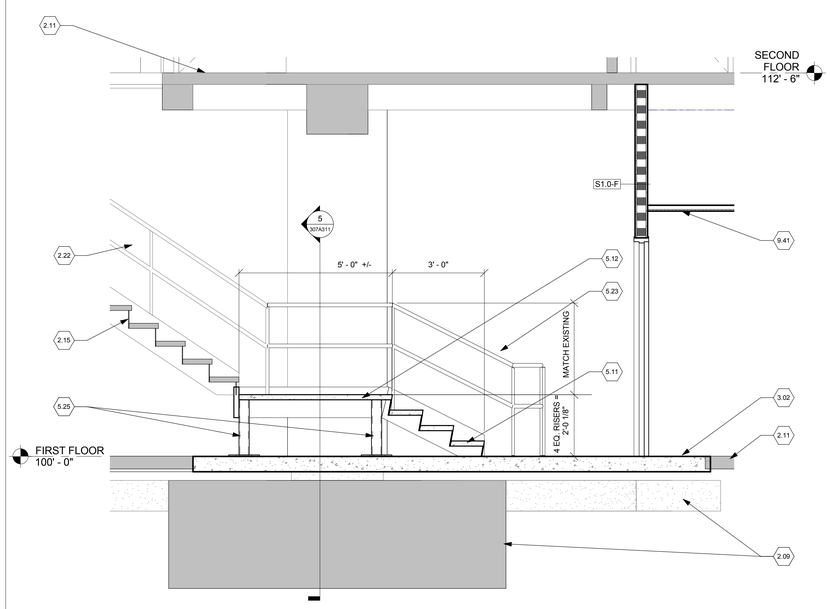
1.17	New wall to be installed prior to demolition of Building 307. See P.M.E. & F.P. Drawings for additional information.
2.02	Existing shaft wall to remain.
2.03	Existing corridor wall to remain.
2.09	Existing footing to remain. Protect in place during demolition and new work.
2.10	Existing roof structure to remain.
2.11	Existing floor structure to remain.
2.12	Existing ceiling to remain.
2.13	Existing foundation wall to remain.
2.15	Existing stair to remain. Provide temporary support until new construction is installed.
2.22	Existing railing to remain.
3.01	New finish grade to be 6" below First Floor level. See Civil Drawings.
3.02	Concrete slab on grade over vapor barrier over 6" compacted aggregate base. See Structural Drawings.
3.03	Extend existing concrete footing to a minimum 36" below grade. See Structural Drawings.
3.04	Concrete foundation wall. See Structural Drawings.
3.08	Concrete footing. See Structural Drawings.
5.11	Steel stair assembly with cast in place concrete treads.
5.12	Landing framing / concrete fill by pre-engineersd steel stair manufacturer.
5.21	1-1/2" ID [galvanized] steel [aluminum] handrail.
5.23	Metal pipe guardrail to match existing.
5.25	Steel column support by Stair Manufacturer.
6.04	2" x 4" preserative treated wood blocking.
6.08	As demolition of Building 307 progresses, install 3/4" plywood sheathing on outside face of stud between slabs and cover with air and moisture barrier. Tape and seal all joints and penetrations. At end of each workday, all exposed construction shall be covered.
6.17	3/4" exterior grade plywood.
7.18	Air and moisture barrier.
7.28	New roofing membrane to be spliced into existing.
7.43	Metal panel closure trim by panel manufacturer. Color to match panel color.
7.45	Metal flashing / trim by panel manufacturer.
7.51	Prefinished metal coping.
7.56	Continuous metal cleat.
7.72	Fire stopping.
7.86	Fire rated expansion joint cover assembly.
9.41	Suspended acoustic ceiling tile/grid. See Room Finish Schedule.



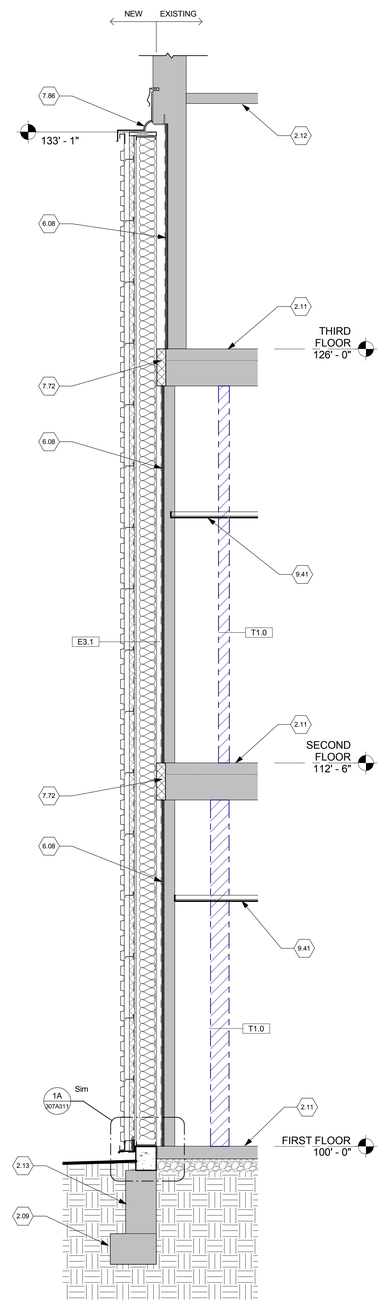
5 310-STAIR SECTION
Scale: 1/2" = 1'-0"



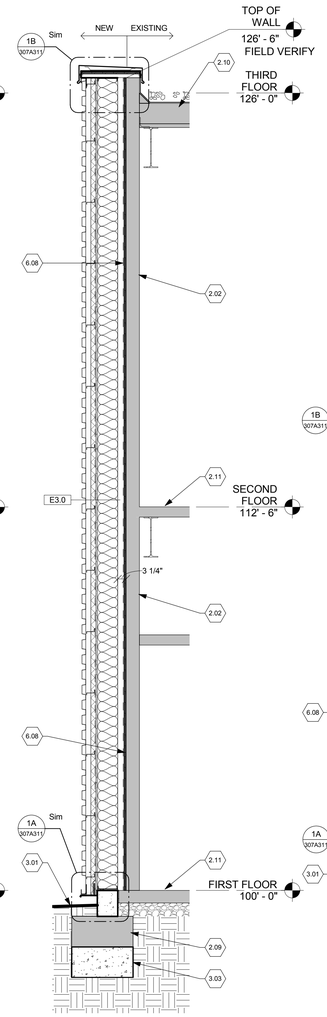
8 STAIR PLAN
Scale: 1/4" = 1'-0"



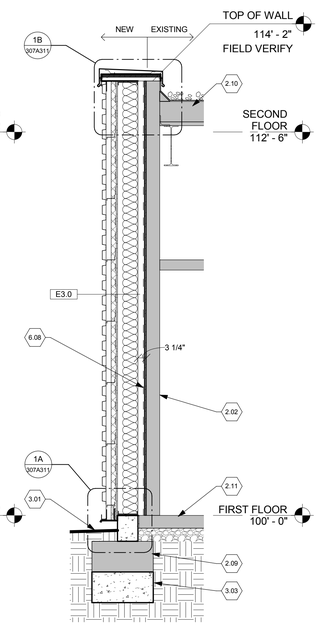
4 310-STAIR SECTION
Scale: 1/2" = 1'-0"



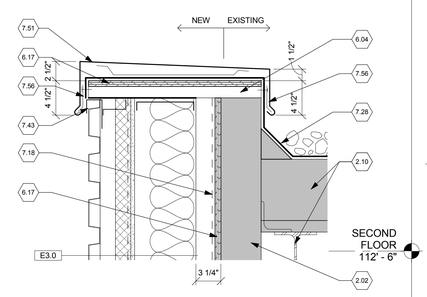
3 310-WALL SECTION
Scale: 1/2" = 1'-0"



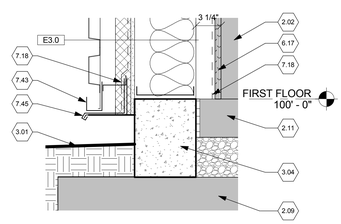
2 340-WALL SECTION
Scale: 1/2" = 1'-0"



1 340-WALL SECTION
Scale: 1/2" = 1'-0"



1B DETAIL
Scale: 1 1/2" = 1'-0"



1A DETAIL
Scale: 1 1/2" = 1'-0"

Revisions		Date
1	65% Design Development	04.28.2015
2	95% Owner Review	08.14.2015
3	100% Construction Documents	11.04.2015
4	Bid Set Drawings	05.16.2016

CONSULTANTS:

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ARCHITECT/ENGINEERS:

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Drawing Title: WALL SECTIONS

Approved: Project Director

Project Title: RELOCATE PROSTHETICS AND PODIATRY CLINICS

Location: Dayton, Ohio

Date: 05.16.2016 | Checked: TH | Drawn: SD

Project No.: VA Project No. 552-15-502; JPA Project No. 14006.00

Building Number: 307

Drawing Number: 307A311

Dwg. 307 of XX

Office of Construction and Facilities Management

Department of Veterans Affairs

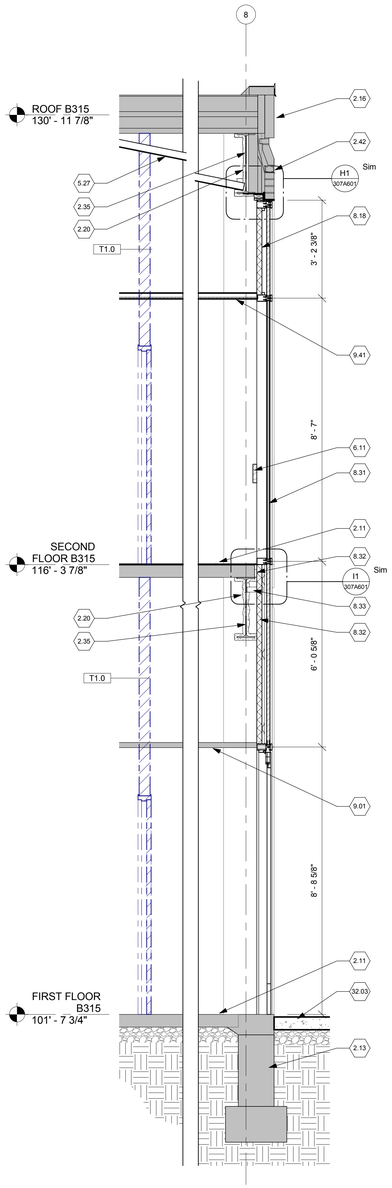
FULLY SPRINKLERED

GENERAL NOTES

A. Verify all conditions prior to fabrication, erection, and installation.
B. See Sheet 307AD310 for demo wall sections.
C. First Floor level 100'-0" equals 973.85'.

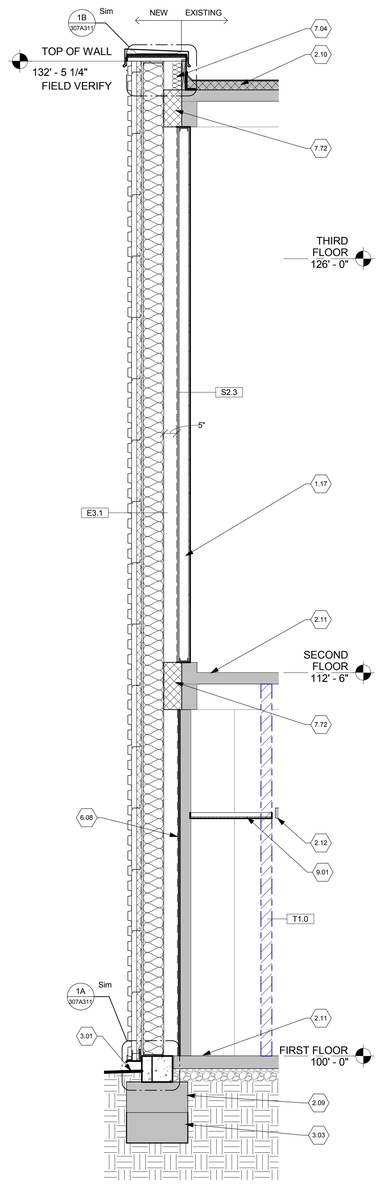
SECTION NOTES

1.17	New wall to be installed prior to demolition of Building 307. See P.M.E. & P.P. Drawings for additional information.
2.03	Existing corridor wall to remain.
2.09	Existing footing to remain. Protect in place during demolition and new work.
2.10	Existing roof structure to remain.
2.11	Existing floor structure to remain.
2.12	Existing ceiling to remain.
2.13	Existing foundation wall to remain.
2.16	Existing exterior wall to remain.
2.20	Existing sprayed-on fire-proofing. Protect in place during demolition and construction. Repair any damaged areas to like new condition.
2.35	Existing structure to remain.
2.42	Existing thru-wall flashing and weeps to remain.
3.01	New finish grade to be 6" below First Floor level. See Civil Drawings.
3.03	Extend existing concrete footing to a minimum 36" below grade. See Structural Drawings.
5.27	Steel angle kicker. See Structural Drawings.
6.08	As demolition of Building 307 progresses, install 3/4" plywood sheathing on outside face of stud between slabs and cover with air and moisture barrier. Tape and seal all joints and penetrations. At end of each workday, all exposed construction shall be covered.
6.11	2x8 finished wood rail. Finish to match existing wood rails.
7.04	Pack cavity full of fiberglass batt insulation.
7.72	Fire stopping.
8.18	2" rigid insulation. Provide min. 1/2" gap between face of insulation and face of spandrel panel.
8.31	6" Aluminum curtainwall system.
8.32	2-hr fire-rated fire stop system: 2" foil-faced mineral wool board insulation with stiff back channels behind spandrel panels, min. 4" mineral wool batt safing in linear gap between slab and curtain wall, capped with chemical fill material. Reference UL #CW-D-2027.
8.33	Lateral brace by Curtainwall Manufacturer.
9.01	Remove, modify and reinstall existing acoustic ceiling system as required to install temporary and permenant partitions. Provide new components to match existing as required.
9.41	Suspended acoustic ceiling tile/grid. See Room Finish Schedule.
32.03	See Civil Drawings for concrete stoop and sidewalk.

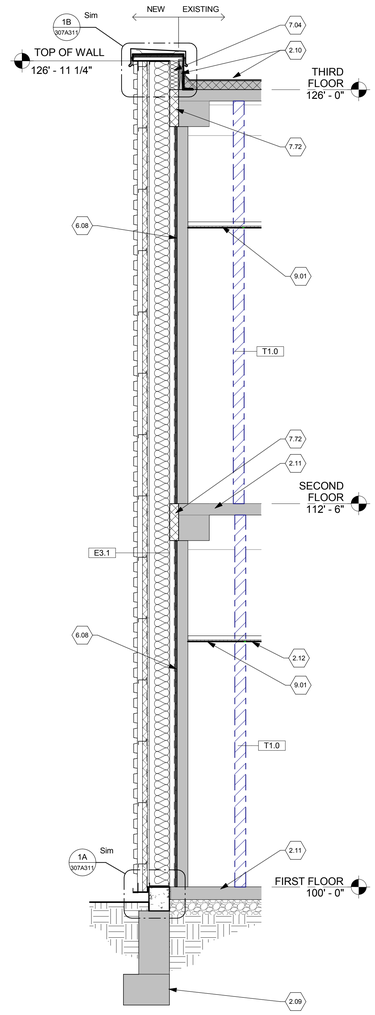


Deduct Alternate No. 3: Deduct all work associated with the demolition of the connecting corridor

8 315-WALL SECTION
Scale: 1/2" = 1'-0"



7 310-WALL SECTION
Scale: 1/2" = 1'-0"



6 310-WALL SECTION
Scale: 1/2" = 1'-0"

1	95% Owner Review	08.14.2015
2	100% Construction Documents	11.04.2015
3	Bid Set Drawings	05.16.2016
Revisions		Date

CONSULTANTS:

STATE OF OHIO
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ARCHITECT/ENGINEERS:

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937 461 3290 PHONE
jpa@johnpoe.com

Drawing Title: WALL SECTIONS

Approved: Project Director

Project Title: RELOCATE PROSTHETICS AND PODIATRY CLINICS

Location: Dayton, Ohio

Date: 05.16.2016 | Checked: TH | Drawn: SD

Project No. VA Project No. 552-15-502 JPA Project No. 14006.00

Building Number: 307

Drawing Number: 307A312

Dwg. 307 of XX

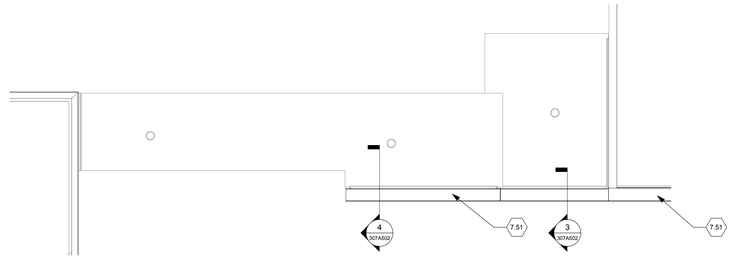
Office of Construction and Facilities Management

Department of Veterans Affairs

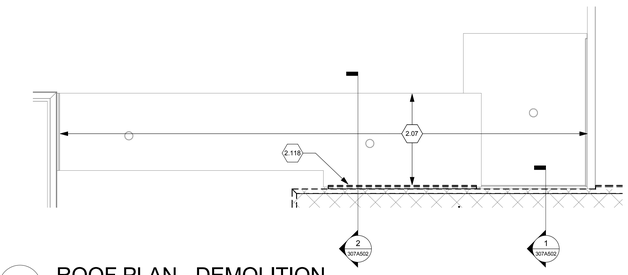
FULLY SPRINKLERED

KEY NOTES

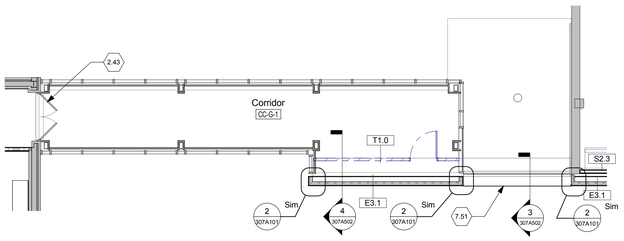
2.07	Existing to remain, unless noted otherwise. Protect in place during demolition and new work.
2.12	Existing ceiling to remain.
2.17	Existing storefront system to remain.
2.43	Existing door to remain.
2.55	Remove existing expansion joint cover assembly.
2.60	Remove existing foundation wall and column. Footings to remain.
2.118	Remove existing flashing between Building 307 and Building 310 prior to demolition of B307.
7.41	12" wide horizontal metal wall panel.
7.51	Prefinished metal coping.
9.01	Remove, modify and reinstall existing acoustic ceiling system as required to install temporary and permenant partitions. Provide new components to match existing as required.



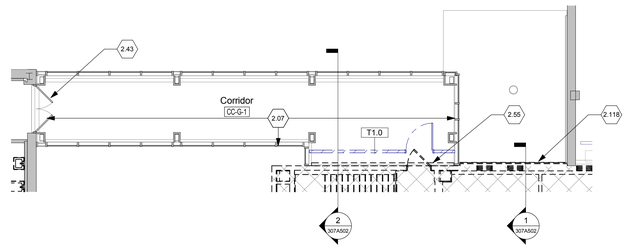
11 ROOF PLAN - NEW WORK
Scale: 1/8" = 1'-0"



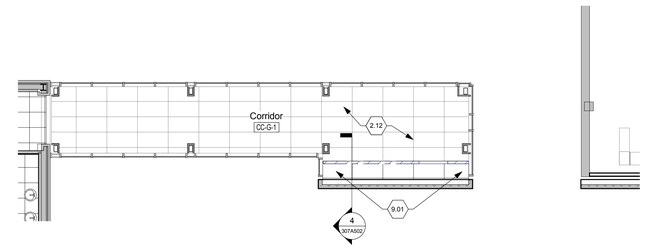
8 ROOF PLAN - DEMOLITION
Scale: 1/8" = 1'-0"



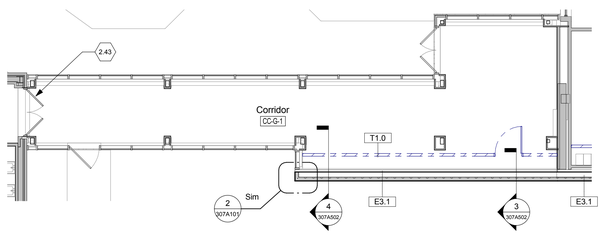
10 SECOND FLOOR PLAN - NEW WORK
Scale: 1/8" = 1'-0"



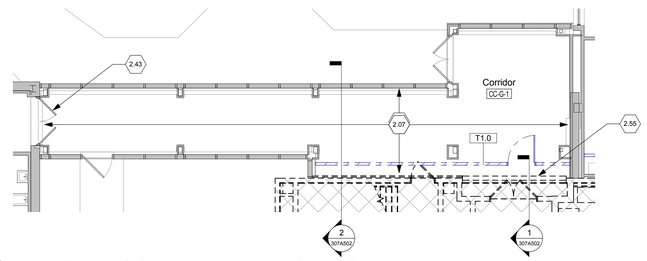
7 SECOND FLOOR PLAN - DEMOLITION
Scale: 1/8" = 1'-0"



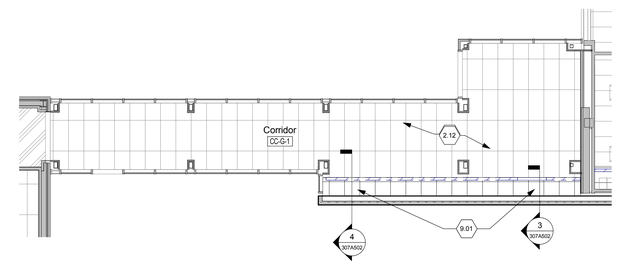
3 SECOND FLOOR PLAN - REFLECTED CEILING
Scale: 1/8" = 1'-0"



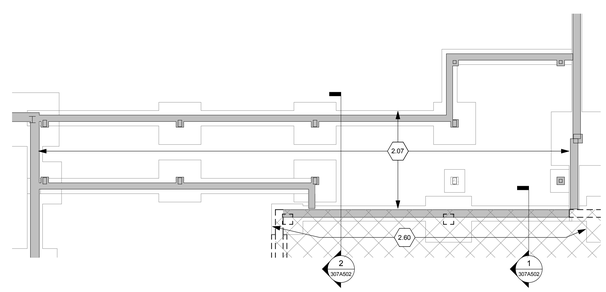
9 FIRST FLOOR PLAN - NEW WORK
Scale: 1/8" = 1'-0"



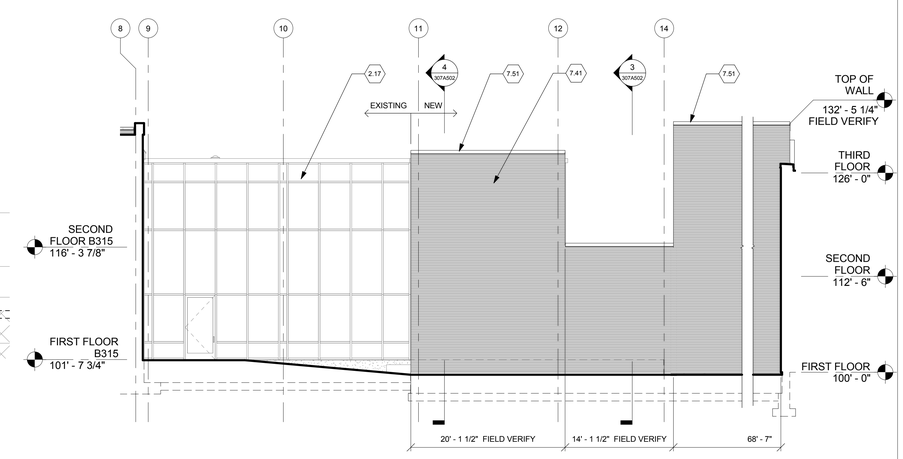
6 FIRST FLOOR PLAN - DEMOLITION
Scale: 1/8" = 1'-0"



2 FIRST FLOOR PLAN - REFLECTED CEILING
Scale: 1/8" = 1'-0"



5 FOUNDATION PLAN - DEMOLITION
Scale: 1/8" = 1'-0"



1 BUILDING 310 - SOUTH ELEVATION
Scale: 1/8" = 1'-0"

Revisions		Date
1	95% Owner Review	08.14.2015
2	100% Construction Documents	11.04.2015
3	Bid Set Drawings	05.16.2016

CONSULTANTS:

STATE OF OHIO
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ARCHITECT/ENGINEERS:
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Drawing Title: DEDUCT ALTERNATE NO. 3 PLANS

Approved: Project Director

Project Title: RELOCATE PROSTHETICS AND PODIATRY CLINICS

Location: Dayton, Ohio

Date: 05.16.2016 | Checked: TH | Drawn: NS

Project No. VA Project No. 552-15-502 JPA Project No. 14006.00

Building Number: 307

Drawing Number: 307A501

Dwg 307 of XX

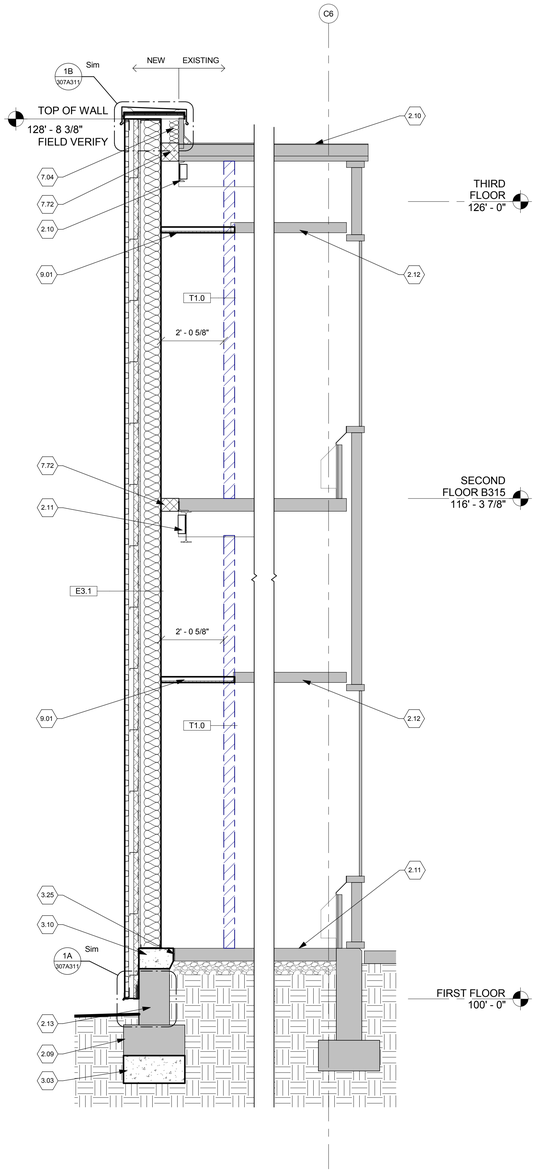
Office of Construction and Facilities Management

Department of Veterans Affairs

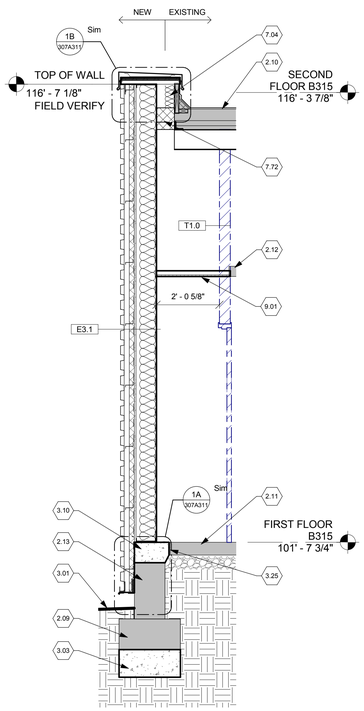
FULLY SPRINKLERED

SECTION NOTES

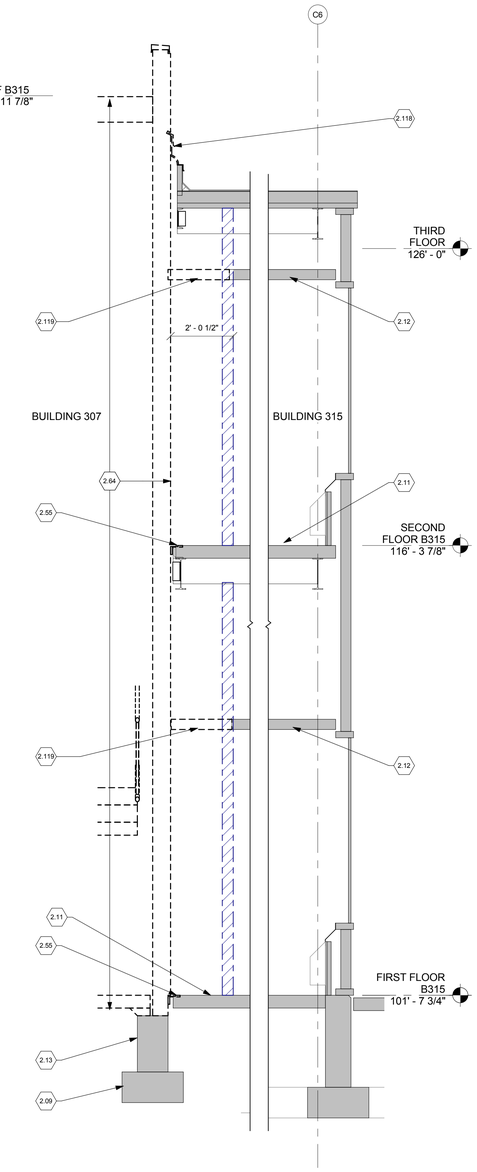
1.08	Roof below. Protect from damage throughout demolition and new construction.
2.09	Existing footing to remain. Protect in place during demolition and new work.
2.10	Existing roof structure to remain.
2.11	Existing floor structure to remain.
2.12	Existing ceiling to remain.
2.13	Existing foundation wall to remain.
2.55	Remove existing expansion joint cover assembly.
2.64	Remove Building 307 in its entirety including foundations, slab, walls, floors, ceilings, stairs, ramps, doors, windows, fixtures, loading dock, and all P.M.E. & F.P. systems unless noted otherwise.
2.70	Remove existing suspended acoustical ceiling tile, grid, lights and all ceiling mounted accessories this area.
2.103	Remove existing concrete slab this area.
2.118	Remove existing flashing between Building 307 and Building 310 prior to demolition of B307.
2.119	Remove portion of existing ceiling to allow for demolition of B307.
3.01	New finish grade to be 6" below First Floor level. See Civil Drawings.
3.03	Extend existing concrete footing to a minimum 36" below grade. See Structural Drawings.
3.10	New concrete.
3.25	1/2" expansion material.
7.04	Pack cavity full of fiberglass batt insulation.
7.72	Fire stopping.
9.01	Remove, modify and reinstall existing acoustic ceiling system as required to install temporary and permenant partitions. Provide new components to match existing as required.



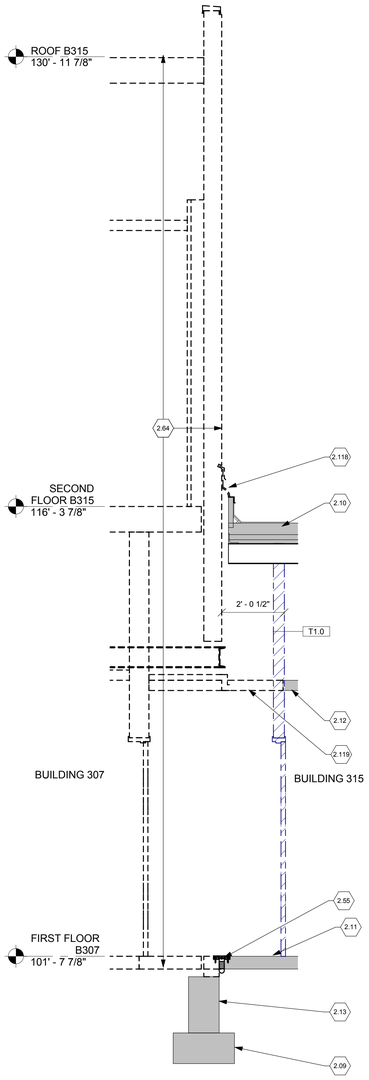
4 315-WALL SECTION
Scale: 1/2" = 1'-0"



3 315-WALL SECTION
Scale: 1/2" = 1'-0"



2 315-DEMOLITION WALL SECTION
Scale: 1/2" = 1'-0"



1 315-DEMOLITION WALL SECTION
Scale: 1/2" = 1'-0"

Revisions		Date
1	100% Construction Documents	11.04.2015
2	Bid Set Drawings	05.16.2016

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Drawing Title: DEDUCT ALTERNATE NO. 3 SECTIONS

Approved: Project Director

Project Title: RELOCATE PROSTHETICS AND PODIATRY CLINICS

Location: Dayton, Ohio

Date: 05.16.2016 | Checked: TH | Drawn: NS

Project No. VA Project No. 552-15-502 JPA Project No. 14006.00

Building Number: 307

Drawing Number: 307A502

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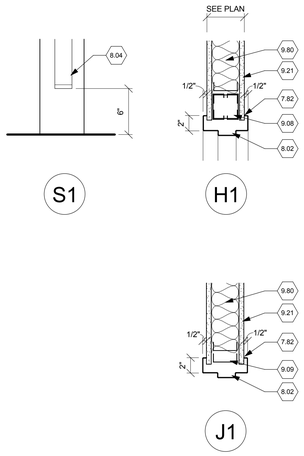
Office of Construction and Facilities Management

Department of Veterans Affairs

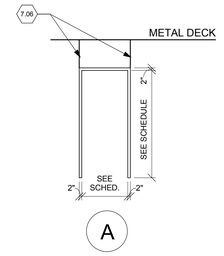
FULLY SPRINKLERED



H.M FRAME DETAILS

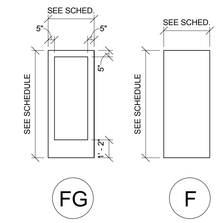
Scale: 1 1/2" = 1'-0"

DOOR SCHEDULE															
DOOR #	BETWEEN		DOOR DESCRIPTION						FRAME DESCRIPTION				FIRE RATING	HDWE SET	REMARKS
	RM	RM	TYPE	MAT'L	#	SIZE W	SIZE H	SIZE T	TYPE	MAT'L	HEAD	JAMB			
C18	SWA-1	C1-8	F	WD	1	3' - 0"	7' - 0"	1 3/4"	A	HM	H1	J1	45 MIN.		
CG2	236	235	FG	ALUM	2	2' - 10 1/8"	8' - 6 1/2"	1 1/2"	-	ALUM					



FRAME TYPES

Scale: 1/4" = 1'-0"

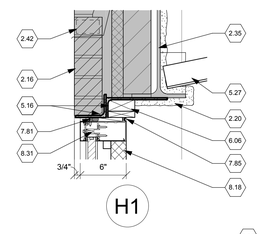


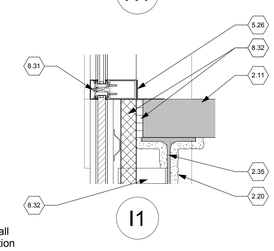
DOOR TYPES

Scale: 1/4" = 1'-0"

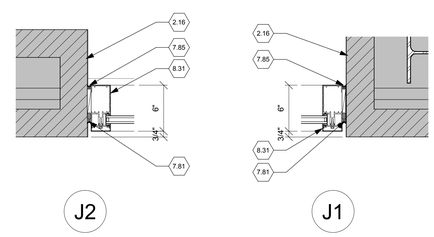
KEY NOTES

2.11	Existing floor structure to remain.
2.16	Existing exterior wall to remain.
2.20	Existing sprayed-on fire-proofing. Protect in place during demolition and construction. Repair any damaged areas to like new condition.
2.35	Existing structure to remain.
2.42	Existing thru-wall flashing and weeps to remain.
5.16	12" diameter x 96" tall (48" embedment), concrete filled [galvinized] steel bollard.
5.26	Continuous aluminum closure angle by curtainwall manufacturer. Finish to match curtainwall finish.
5.27	Steel angle kicker. See Structural Drawings.
6.06	2" x ___" preservative treated wood blocking.
7.06	Control joints to be located at all doors in new walls.
7.81	Continuous sealant over backer rod.
7.82	Continuous acoustic sealant @ non-rated walls / fire-rated sealant @ rated walls each side.
7.85	Continuous caulking.
8.02	Hollow metal frame.
8.04	Hospital stops @ all interior hollow metal frames.
8.18	2" rigid insulation. Provide min. 1/2" gap between face of insulation and face of spandrel panel.
8.23	Coordinate height with ceiling elevation.
8.31	6" Aluminum curtainwall system.
8.32	2-hr fire-rated fire stop system: 2" foil-faced mineral wool board insulation with stiff back channels behind spandrel panels, min. 4" mineral wool batt safing in linear gap between slab and curtain wall, capped with chemical fill material. Reference UL #CW-D-2027.
8.56	Insulated glass unit with tempered interior lite.
8.59	Insulated spandrel glass unit.
9.08	Metal framing box header.
9.09	Double metal framing at jambs, typ.
9.21	5/8" Type X gypsum board.
9.80	Acoustic insulation



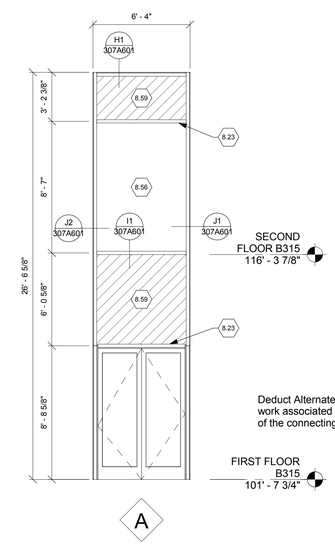


Deduct Alternate No. 3: Deduct all work associated with the demolition of the connecting corridor



WINDOW DETAILS

Scale: 1 1/2" = 1'-0"



Deduct Alternate No. 3: Deduct all work associated with the demolition of the connecting corridor

CURTAINWALL ELEVATION

Scale: 1/4" = 1'-0"

Revisions		Date
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2	Bid Set Drawings	05.16.2016

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Drawing Title: DOOR & WINDOW DETAILS

Approved: Project Director

Project Title: RELOCATE PROSTHETICS AND PODIATRY CLINICS

Location: Dayton, Ohio

Date: 05.16.2016 | Checked: TH | Drawn: NS

Project No. VA Project No. 552-15-502 JPA Project No. 14006.00

Building Number: 307

Drawing Number: 307A601

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Office of Construction and Facilities Management

Department of Veterans Affairs